



***User manual***

***QUICK PACK 350*** model 4/5

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### CE-Mark

This machine displays the CE-Mark. This means that this machine conforms with all European directives relating to health and safety. A summary of these directives is included in the Declaration of Conformity supplied.

### Liability

JASA packaging systems is not liable for any hazardous situations, accidents or damage resulting from:

- The warnings or regulations shown on the machine or in the documentation being ignored.
- Use for other applications or under conditions other than those described in this document.
- Modifications to the machine. This also includes the use of any replacement parts other than the original and alterations to the control program.
- Inadequate maintenance.

JASA packaging systems cannot be held responsible for any damage resulting from faults in the machinery (e.g. damage to products, operational delays).

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**Reservations** - All descriptions, diagrams, illustrations and specifications apply to the machinery at the moment of delivery. Pannekeet Machinetechniek bv reserves the right to carry out modifications at any time without having to adapt this documentation.

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# 1 Foreword

## 1.1 Aim

This manual contains important procedures and practical tips which will enable the packaging machine to be used safely, efficiently and with reliability.

Should this manual fail to offer a solution for any technical faults, please do not hesitate to contact the service department of Pannekeet Machinetechniek bv. When doing so please mention the machine number (1) and the number shown on this manual.

Any essential work to be carried out by the JASA packaging systems personnel is not included in this manual.

Keep this documentation in a safe place.

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## 1.2 Machine documentation and user

The machine documentation comprises:

- User manual for the user. Information is also given on the procedure to follow in the event of faults.
- Maintenance manual for the maintenance technician.
- Spare parts catalogue with diagrams for the maintenance technician and the purchasing dept.

Subjects can be located using the table of contents or by referring to the word index which shows the subjects in alphabetical order.



## 2 Safety

### 2.1 Introduction

This machine has been designed and built in such a way as to allow its safe use and maintenance. This applies to the application, the conditions and the regulations as described in this documentation.

It is essential that any individual working on the machinery should read this documentation.

Any working activities not addressed in these instructions should only be carried out by the appropriate expert personnel.

#### 2.1.1 Warning symbol



When the above warning symbol is displayed together with the relevant text, this displays information vital to the health and safety of the personnel.

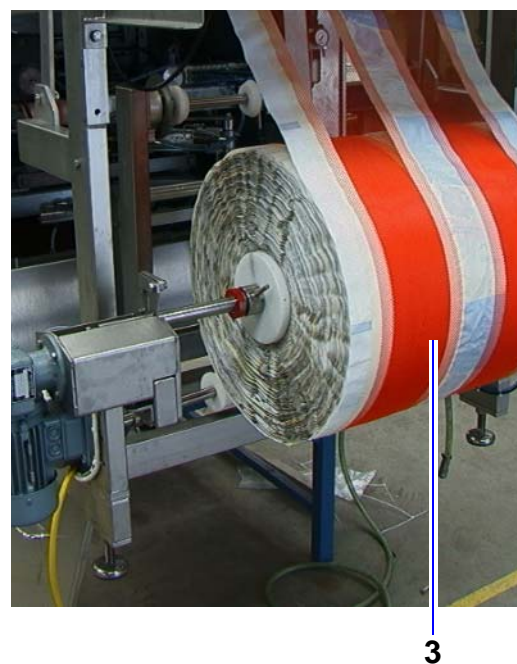
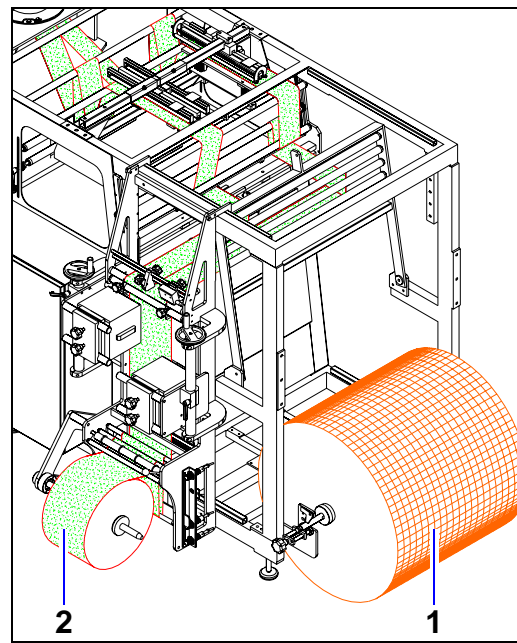
If these warnings are ignored, this may result in serious injury or even have fatal consequences.

### 2.2 Intended purpose of machine

The Quick Pack 350 / model 4 or Quick Pack 350 / model 5 has been manufactured for the packaging of potatoes, vegetables and fruit in bags. This bag is formed in the machine using a basic film (1) with labelled film (2). "Netting with printed film" (3) may also be used.

Furthermore, it is also possible to adapt this machine for the packaging of foodstuffs in printed polythene, polypropylene or laminated film.

This machine is not intended for any other use.





## 2.3 Safety provisions

### 2.3.1 Emergency stop button

An emergency stop button (1) has been fitted to isolate the machine as quickly as possible in the event of an emergency. The button is easily identifiable by its red colour.

When the button is depressed the machine stops immediately. The button is blocked mechanically and the machine cannot be restarted.

It is now possible to administer immediate assistance following an accident involving any personnel. Any other urgent action should also be carried out forthwith.

The button may only be released only when any hazardous situation has been dealt with satisfactorily. The machine will not start immediately, but can now be started in the normal manner.

The emergency button can also be used in the event of sudden impending hazards e.g. faulty operation or the jamming of material.

#### Recommendations

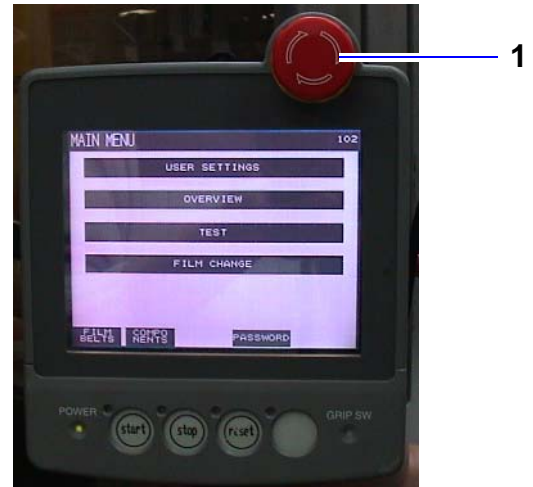
- New operatives should be allowed an opportunity to practice the use of the emergency stop button.
- Do not use the emergency stop button as an alternative for turning the machine off normally.
- Test the emergency stop button regularly.
- Do not reset the emergency stop button until it has been established who has operated it and why.

### 2.3.2 Door

The door (2) is fitted with protective break contacts. When a door is open the transverse seal unit ceases to function.

#### Mandatory instructions!!!

- Never bypass the door contacts. This also applies during service and maintenance work.
- The correct functioning of the door contacts must be tested at frequent.



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### 2.3.3 Transverse seal unit

The transverse seal unit cylinder (3) is fitted with protective break contacts. If the transverse seal unit develops a fault, the break contacts will open the transverse seal unit.



#### **WARNING!!!**

The transverse seal unit is fitted with a knife and closes very positively. These form an extreme hazard of serious and permanent injury.



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### 2.3.4 Electrical motors

The electrical motors are protected against overloading. The electrical motor switches off automatically when overloaded.

### 2.3.5 Warning stickers

There are a variety of warning stickers displayed on the machine. These warning stickers may not be removed.

Any sticker that becomes loose or illegible should be replaced immediately.



**Caution:** Rotating or moving machine parts.

Stay clear of these parts. It is strictly prohibited to remove bags manually when the machine is running.



**Caution:** High voltage.

The electrical supply should be switched off and locked before any maintenance or repair work is carried out.

The control box may only be opened after the main switch has been turned off and locked.



**Caution:** Personal injury!

Never place any body parts between moving machinery parts.



**Caution:** Hot parts.

Never press the seal bars.

## 2.4 Safety regulations

### 2.4.1 Technical condition

- The machine has been built using the latest technology and conforms to the rules of safety.  
However, the use of this machine could result in personal injury to the user, to third parties or to material objects.  
This packaging machine should therefore only be used for its recommended use when it technically faultless and all appropriate regulations are observed.
- Faults identified automatically by the control system should be rectified immediately.
- It is forbidden to make modifications to the packaging machine without first obtaining written permission from JASA packaging systems.
- Ensure there is adequate light in the work area (approx. 80 lux).

### Residual hazard

Despite all stated safety measures, this machine is dangerous to operate. Failure to heed the recommendations for safe operation will lead to situations that result in serious and permanent injury. This applies to the transverse seal in particular. For this reason, the placement of a discharge conveyor is mandatory. When placing a discharge conveyor, it is vital that the customer takes account of the dangers inherent in the transverse seal. A proper safety shield should be incorporated in the system (see adjacent photo).

### 2.4.2 Management

- The management is obliged to properly train the personnel who will be operating the machine, based on this manual.
- Any essential work to be carried out on the packaging machine should only be carried out by authorised personnel.
- Temporary personnel and trainees may only operate the packaging machine while under the supervision and responsibility of authorised personnel.
- Functions, authorisation and responsibility of the personnel should be clearly defined.
- Regular checks should be made to ensure that work is being carried out in accordance with the regulations.

### 2.4.3 Operation and maintenance

- Operate and maintain the machine in accordance with the machine documentation supplied.  
This manual should be clearly visible at the packaging machine site.
- Observe all JASA packaging systems safety regulations when working with the packaging machine. All local regulations should also be observed.

- Safety provisions may not be removed or rendered inactive.
- Always wear safety clothing and industrial shoes.
- Always wear protective gloves when replacing the knives of the transverse seal.
- Do not wear any rings, watches or loosely fitting articles of clothing. These may become entangled in moving machine parts.
- Never carry loose objects in clothing pockets.
- Long hair should be bound together.
- Use any agents, e.g. cleaning agents in accordance with the manufacturer's instructions.
- Before turning the machine on:
  - Make sure all unauthorised personnel are well away from the machine.
  - Inform authorised personnel in the vicinity of the machine and ensure that all personnel are well away from any moving parts.
  - Ensure that all safety provisions are in place and that they are effective.
- Production should remain within the confines described in the technical specifications.
- Maintenance work should only be carried out after the work area has been clearly marked.  
Maintenance should only be carried out on a machine that is:
  - Switched off, with the main switch locked.
  - Disconnected from the compressed air supply and depressurised.
- Never use defective tools.  
Tools should be used only for their intended use.
- Wear safety glasses and take extra care when working with compressed air.
- Special care should be taken when using lifting equipment, using only reliable and approved lifting gear and attachments.
- On completion of lifting activities checked that all tools, rags etc have been removed from the machine and the work area.

### 2.5 Emission of hazardous materials.

The actual machine does not contain any materials that could present a hazard to individuals.

All material used in the production process would not be expected to emit hazardous materials.

The machine is not capable of limiting any risks presented by the emission of hazardous materials. If products are to be used that may contain hazardous materials supplementary measures should be taken.

## **2.6 Disasters**

There are no special regulations applicable to disasters.

The usual extinguishing system can be used.

## **2.7 End of lifespan**

If the machine is to be dismantled at the end of its lifespan, the regulations that apply to waste disposal at the time of dismantling should be observed.

Only familiar materials have been used in the machine's manufacture.

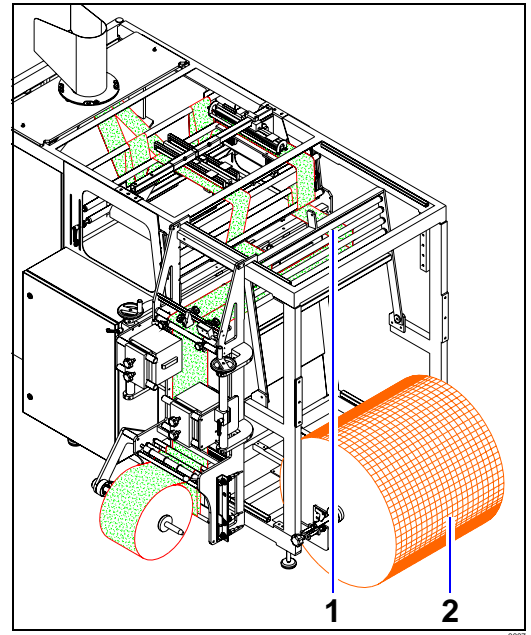
At the time of manufacture there were waste processing options in place and there were no recognised risks present for any personnel involved in the dismantling work.



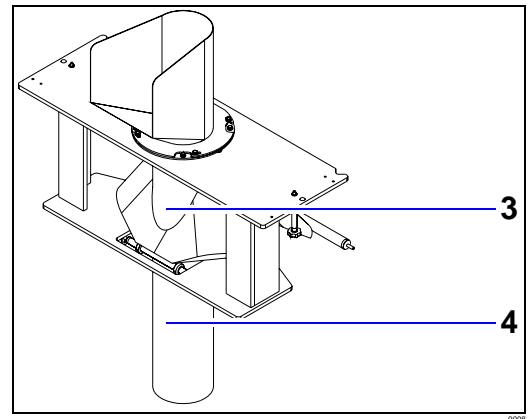
### 3 General description

#### 3.1 Machine description

The machine packages products in bags that are formed from lengths of film. The film is supplied from a roll (2) to the film accumulator (1). The film accumulator (1) ensures that the unrolling of the film (2) is controlled and is supplied at a constant tension to the form shoulder (3).

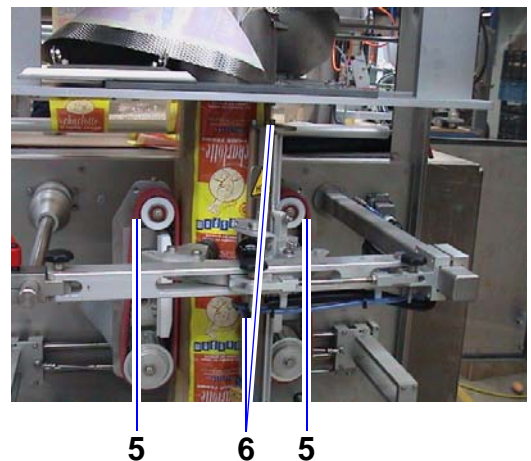


The form shoulder (3) surrounds the product infeed (4) which supplies the product to be packaged. The form shoulder (3) and product infeed (4) together form one module. The shape and size of the module depends on the product to be packaged and the bags to be produced.



The film is transported by two drive belts (5).

The film is wide enough to leave an overlap after surrounding the product infeed. The vertical seal bar is used for (6) forming a seal on the overlap.

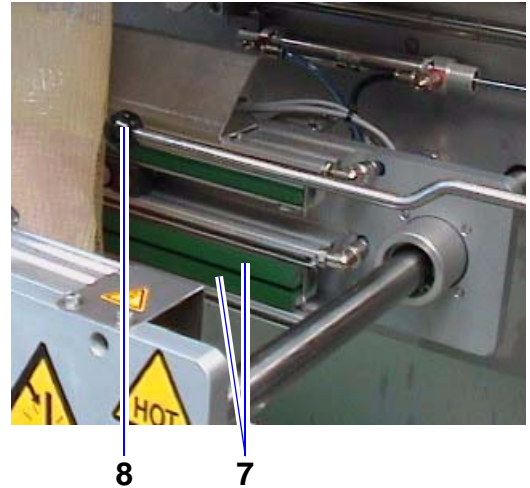


After the product has been released, the side folding mechanism folds (8) the sides of the bag inwards.

The seal bars (7) seal the top and bottom of the bag. The lower seal bar is fitted with a cutting edge that cuts the foil.

The size and shape of the seal bar depends on the bags to be processed.

The machine is operated and monitored by a digital control system.



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## 3.2 Options

A number of options allow this machine to be extended.

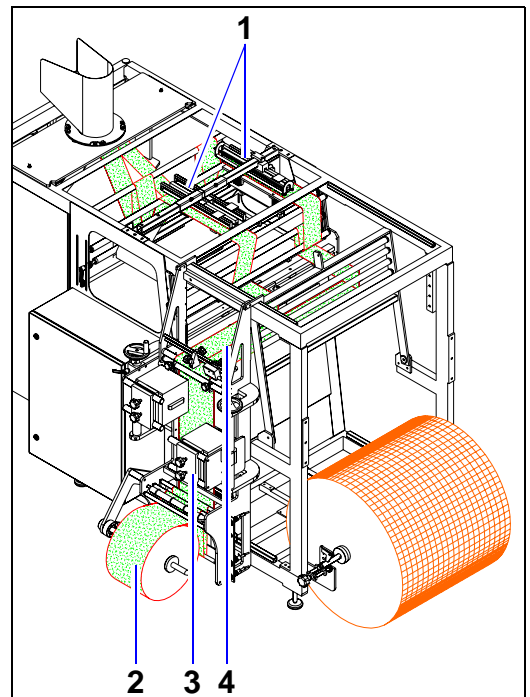
### 3.2.1 Label film unit

The label film unit makes it possible to apply a label film to the front and back side of the bags.

A roll of label film (2) is attached to the side of the machine.

There is a film accumulator (3) behind the label film roll (2) that controls the unrolling of the film roll.

The film is cut into two equal pieces with a cutting edge (4). The seal bars (1) seal the the film to the bag film.



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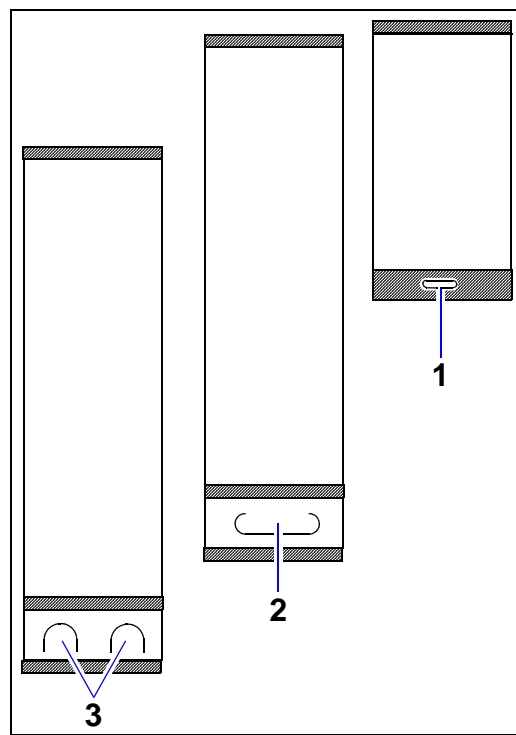


### 3.2.2 Attach a carrying handle

This machine can be fitted with an extra seal bar for attaching a carrying handle to the bags.

A variety of carrying handles are available.

- 1 Euroslot.
- 2 Hand grip.
- 3 Finger grip.



### 3.2.3 Counter

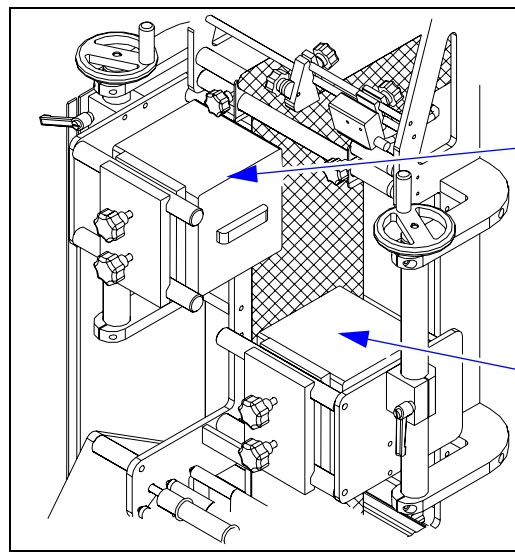
The counter can be used for the accurate measurement of a bag, for example.

The counter can also be used to turn on the mark scanner within a defined area.



#### 3.2.4 Printer

The printer is used for printing information onto the packaging (such as "use by" dates and barcodes). The printer is fitted into a holder that can be adjusted in two directions. The holder is symmetrical and can be attached to either the left-hand or the right-hand side of the label film or above the basic film. It is also possible to use two printers.



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#### 3.2.5 Bag vibrator

A bag vibrator condenses the product in the packaging. The machine height may be  $\pm 200$  mm depending on the longest bag to be produced.

#### 3.2.6 Basic film control

The basic film control ensures that irregularly wound film is fed into the machine automatically.



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#### 3.2.7 Basic film seal unit

The basic film seal unit seals a new piece of basic film to the end of the piece already in the machine.



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### 3.2.8 Import buffer belt - export belt

#### Import buffer belt

The import buffer belt collects the product and introduces it horizontally into the infeed.



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#### Export belt

Both belts are driven by the packaging machine.



#### **WARNING!!!**

Beware of moving parts. These can cause serious injury.



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## 4 Controls

### 4.1 Controls

#### Main switch with locking option



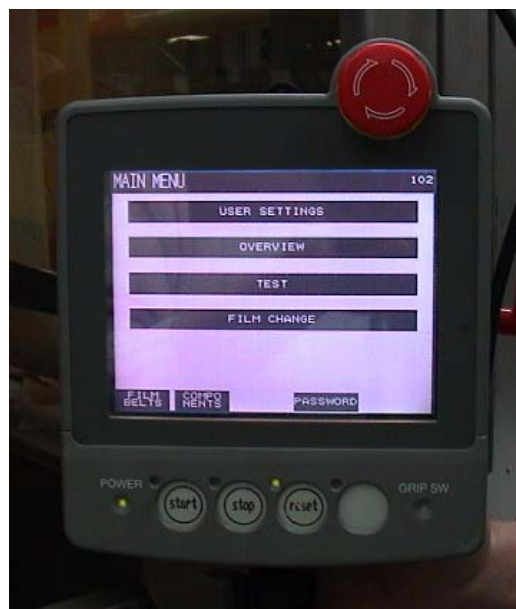
#### Control module with emergency stop button

The emergency stop button interrupts an electrical circuit at the moment it is depressed. This will also cause an emergency stop relay to trip if there is a break in the conductor.

During the activation of an emergency stop circuit:

- The compressed air system is decompressed except for the brake cylinders and the pressure vessel.
- All voltages in excess of 24VDC are switched off.

After pressing the emergency stop button, reset it (depending on the model) either by turning the button in the direction of the arrow, or pressing it once more, or pulling on it.

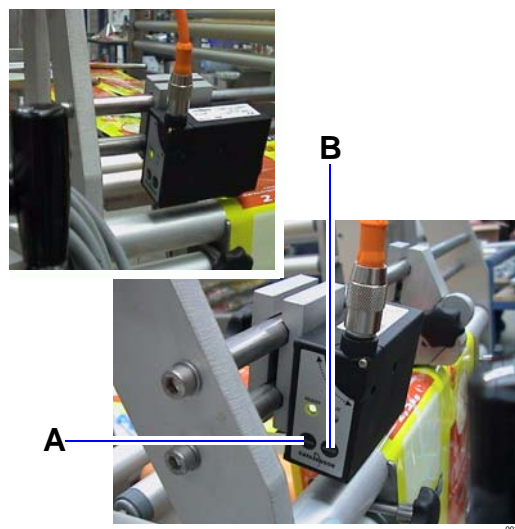


### Manual controls of the connection seal



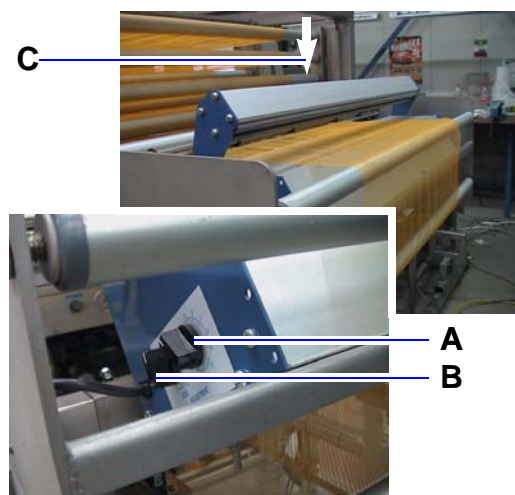
### Mark scanner

- A** MARK is determined using the contrast value of the mark.
- B** BKGD is determined using the contrast value of the background.

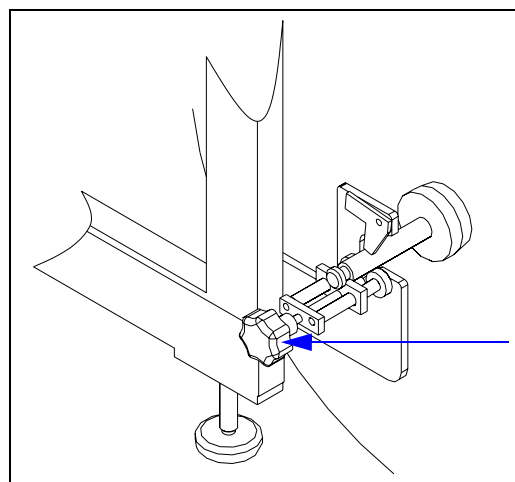


### Basic film seal unit (option)

- A** Seal time.
- B** Cooling time.
- C** Starting: following preparation, push down the seal bar.



**Sideways adjustment of basic film roll (not available with automatic basic film control (option))**



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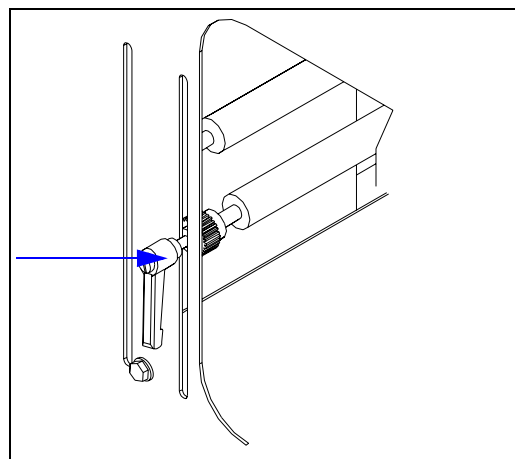
**Label film catch**



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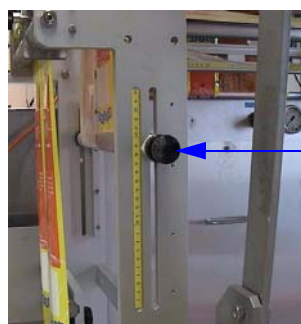
**The readings are used for setting the:**

Loop length of the basic film enabling it to be cut off at the mark.



0026

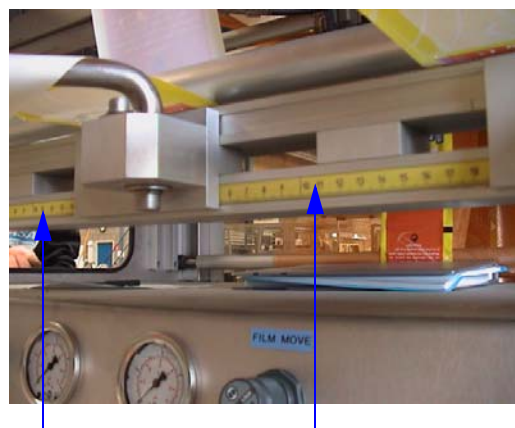
Loop length of the label film enabling the synchronisation of the front and back pieces of film.



0027

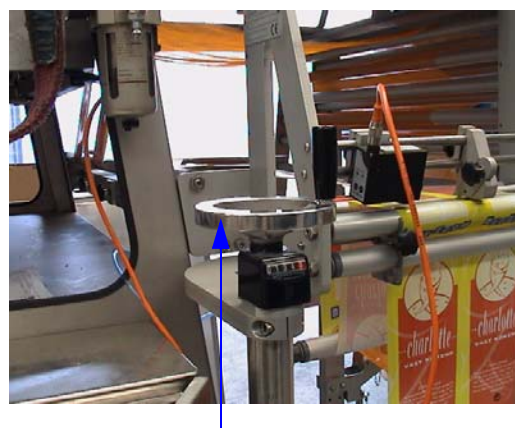


Transverse position of the label film.



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Printer height.

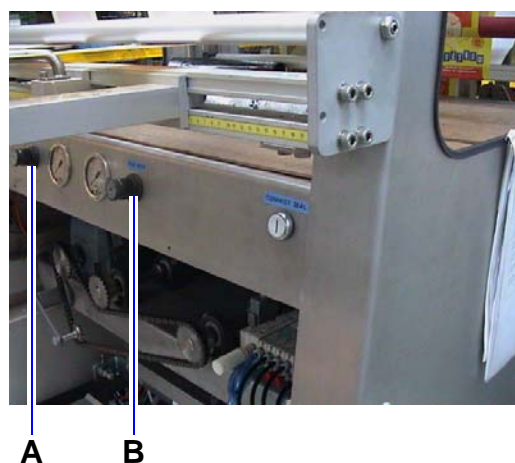


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### Pneumatic:

**A** Basic film tension.

**B** Basic film transport (unrolling speed of basic film).



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Button to clean filter.



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## 4.2 Control module

The control module comprises:

- An emergency stop button (1).
- A touch screen display (2).
- 4 control indicators (3 up to and including 6).
- 3 buttons (7 up to and including 9).

### 4.2.1 Control indicators

#### Power indicator (3)

Main switch activated.

#### Start indicator (4)

Production. When flashing: start indicator waiting for weighing machine.

#### Stop indicator (5)

Machine stops at the end of the cycle.

#### Reset indicator (6)

Alarm alert.

### 4.2.2 Buttons

#### Reset button (7)

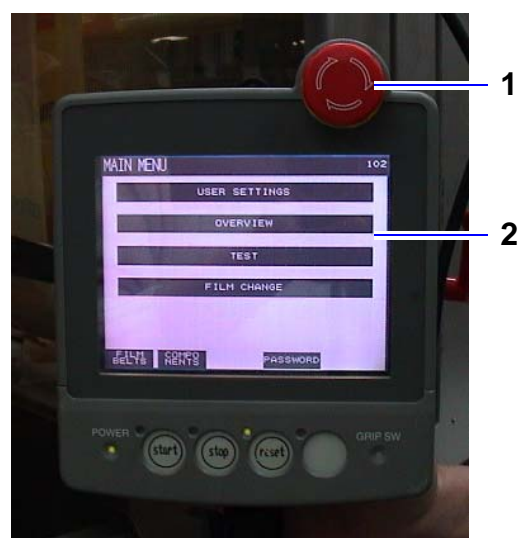
Resets controls.

#### Stop button (8)

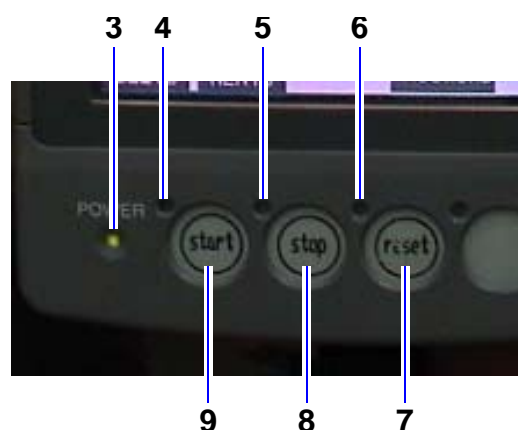
Stops selected function.

#### Start button (9)

Starts selected function.



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### 4.3 Main menu screen

After starting the machine the main menu is displayed on the screen.

From the main menu, a choice can be made from the following sub-menus by pressing the appropriate text on the screen.

The main menu consists of 7 sub-menus.

These are:

- USER SETTINGS (see paragraph 4.5 on page 22).
- OVERVIEW (see paragraph 4.6 on page 25).
- TEST (see paragraph 4.7 on page 26).
- FILM CHANGE (see paragraph 4.8 on page 28).
- FILM BELTS (see paragraph 4.9 on page 29).
- COMPONENTS (see paragraph 4.10 on page 29).
- PASSWORD (see paragraph 4.11 on page 29).



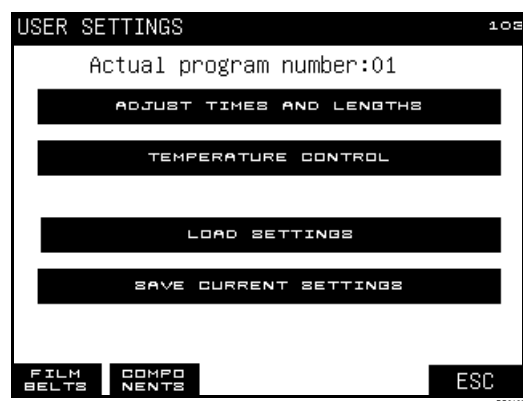
The composition of the sub-menus are described below.

### 4.4 Sub-menu-screens

Press the word "CHANGE" to change the settings on the user menu. If the word "CHANGE" is not displayed, press the actual value to remove it. On the displayed numeric screen, type in the new desired value and activate this value by pressing "ENT". The selected value will appear in the display bar. Close the menu by pressing the square in the top left-hand corner of the numeric screen.

The previous menu can be reselected by pressing "ESC".

### 4.5 User menu screen



#### 4.5.1 TIMES AND LENGTHS MENU

Altering the time that the packaging machine requires to carry out the different processes.

| USER SETTINGS Times and lengths 1 106 |                     |        |
|---------------------------------------|---------------------|--------|
| SEAL TIME HORIZONTAL                  | 0.23 <sub>sec</sub> | CHANGE |
| SEAL TIME VERTICAL                    | 0.23 <sub>sec</sub> | CHANGE |
|                                       | 0.23 <sub>sec</sub> |        |
| COOLING TIME                          | 0.23 <sub>sec</sub> | CHANGE |
| FILM LENGTH                           | 0123 <sub>mm</sub>  | CHANGE |
| WAIT BEFORE FILMTRANS                 | 0.23 <sub>sec</sub> | CHANGE |
| WAIT AFTER PACKAGE                    | 0.23 <sub>sec</sub> | CHANGE |
| ADVANCE DROP MOMENT                   | 0.23 <sub>sec</sub> | CHANGE |
| ADDITIONAL SETTINGS                   |                     | ESC    |

| USER SETTINGS Times and lengths 2 107 |                     |        |
|---------------------------------------|---------------------|--------|
| NR. OF DROPS IN A BAG                 | 01 x                | CHANGE |
|                                       | 0.23 <sub>sec</sub> |        |
|                                       | 0123 <sub>mm</sub>  |        |
|                                       |                     | ESC    |

##### SEAL TIME HORIZONTAL

The length of time that the horizontal seal jaws are closed.

##### SEAL TIME VERTICAL

The length of time that the vertical seal bar is applied to the film.

This time display stops when the horizontal seal jaws are opened. The vertical seal bar is opened.

##### CONNECTION SEAL

The length of time that the connection seal is applied to the film.

##### COOLING TIME

A stream of cool air is emitted during the opening of the horizontal seal jaws.

##### FILM LENGTH

Length of the film. This value is determined by the machine set-up.

##### WAIT BEFORE FILM TRANSPORT

Waiting time from the opening of the horizontal seal jaws until the start of the film transport.

##### WAIT AFTER PACKAGE

Waiting time between the end of one packaging operation and the start of the next packaging operation.

**ADVANCE DROP MOMENT**

If this time is displayed as 0.00 the machine will close the seal jaws. If a time is set, a product will be dropped earlier and will be released from the horizontal seal jaws earlier.

**NUMBER OF DROPS IN A BAG**

The desired number of drops into one packaging.

**NET TRACKING TIME**

Used for the film control. Everytime that the film transport is started the film is checked for correct adjustment. If this not the case, the film position will be corrected during this time.

**EMPTY SPACE FOR MARK**

This is used if an undesirable print is between the mark stripes on the film. If a value between 35 and 99 mm is set, the mark scanner will only be active from the set distance in front of the mark stripe.

**4.5.2 TEMPERATURE CONTROL MENU**

Temperature settings for the various seals.

The temperature can be changed by pressing the temperature value.

| TEMP. CONTROL |        | PRE. | ACT | 1SC |
|---------------|--------|------|-----|-----|
| FRONT HIGH    | ABSENT | 012  | 012 |     |
| REAR HIGH     | ABSENT | 012  | 012 |     |
| FRONT LOW     | ABSENT | 012  | 012 |     |
| REAR LOW      | ABSENT | 012  | 012 |     |
| VERTICAL      | ABSENT | 012  | 012 |     |
| CONN. LEFT    | ABSENT | 012  | 012 |     |
| CONN. MIDDLE  | ABSENT | 012  | 012 |     |
| CONN. RIGHT   | ABSENT | 012  | 012 |     |
|               |        |      |     | ESC |

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|                              |     |
|------------------------------|-----|
| ADJUST TEMP. HOR. FRONT HIGH | 1S1 |
| 012 C                        |     |
|                              | ESC |

BC0151

**4.5.3 LOAD SETTINGS**

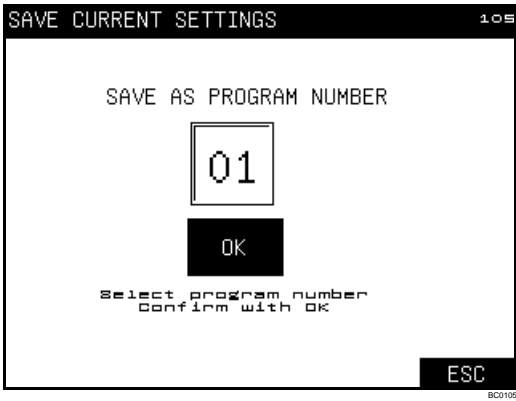
Retrieval of saved settings.

|  |     |
|--|-----|
| LOAD SETTINGS                            | 104 |
| LOAD PROGRAM NUMBER                      |     |
| 01                                       |     |
| OK                                       |     |
| Select program number<br>confirm with OK |     |
|  | ESC |

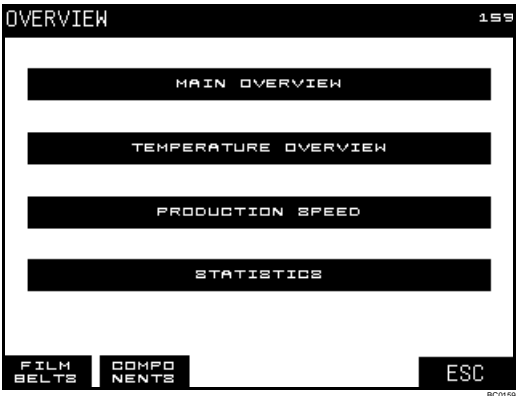
BC0104

4.5.4 SAVE SETTINGS

Save selected settings.

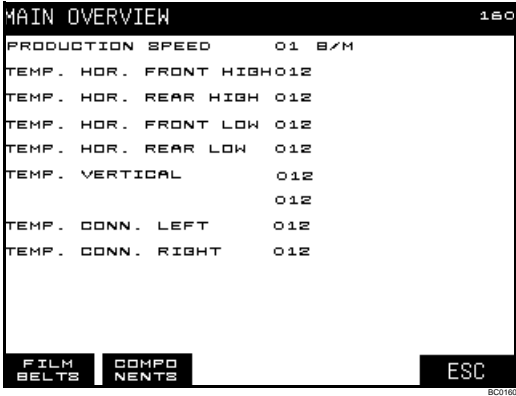


4.6 Overview menu screen



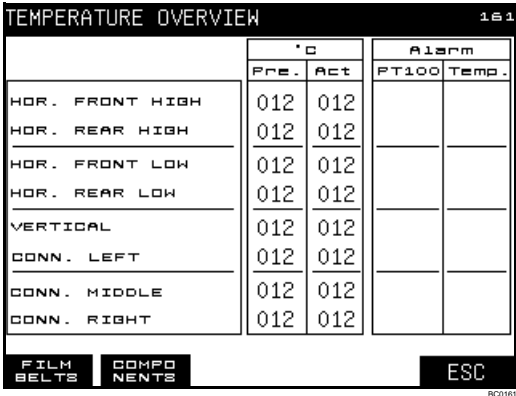
MAIN OVERVIEW

The various values of the machine settings are displayed.



TEMPERATURE OVERVIEW

A list of the temperatures of the various machine components.



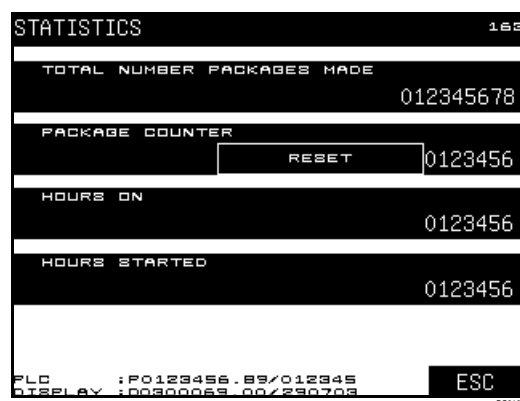
**PRODUCTION SPEED**

The production time in bags/min is displayed.

**STATISTICS**

The production values are displayed.

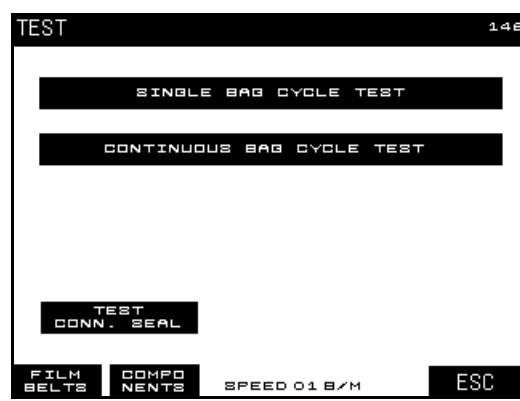
Press "RESET" to reset the day counter on the menu.

**4.7 Test menu screen****SINGLE BAG CYCLE TEST**

The single cycle test activates one test cycle.

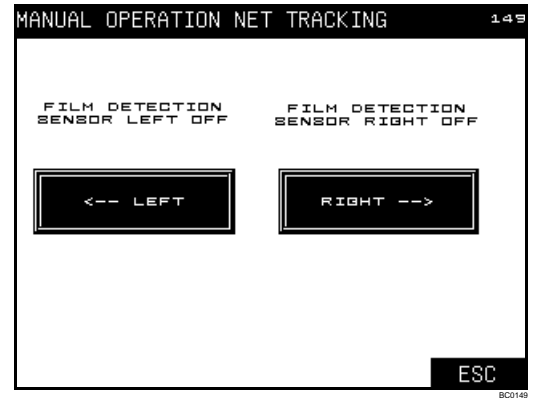
**CONTINUOUS BAG CYCLE TEST**

A number of test cycles are performed when continuous test cycle is selected.



**TEST BASIC FILM CONTROL**

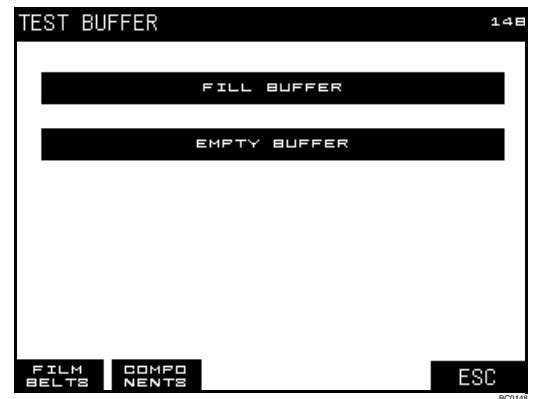
The basic film control test enables the film roll to be controlled manually from either the left or the right. If its working range is exceeded it will stop and one of two "end sensors" will be illuminated.

**TEST CONNECTION SEAL**

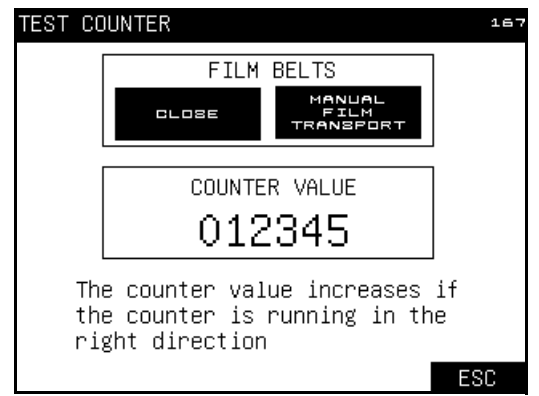
The connection seal test allows the connection seal to be used manually.

**BUFFER TEST**

- FILL BUFFER.
- EMPTY BUFFER.

**COUNTER**

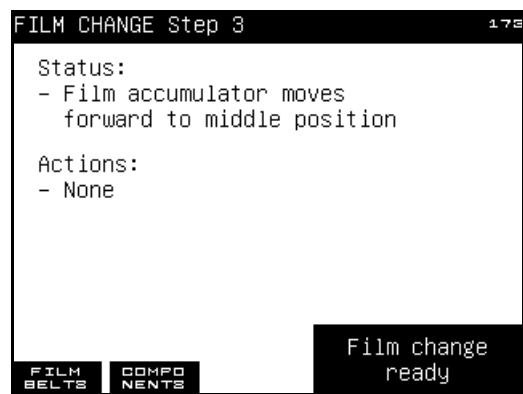
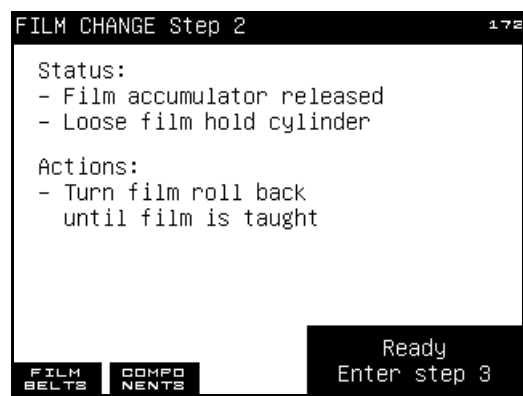
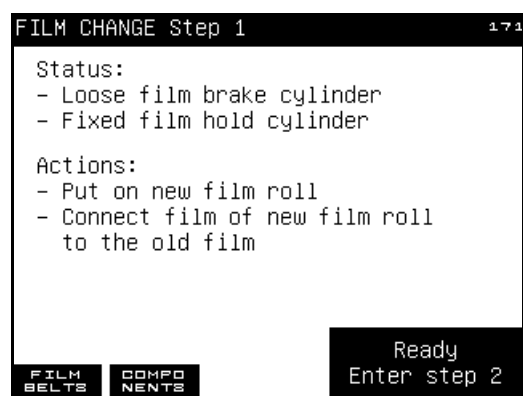
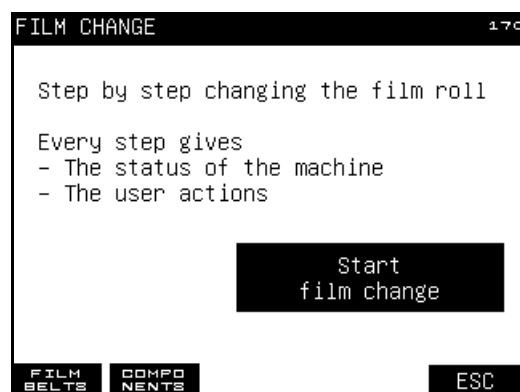
The counter tests if the machine is measuring the film transport.



## 4.8 Change basic film roll

### FILM CHANGE

Selecting "FILM CHANGE" in the basic menu will activate the change basic film roll cycle. This happens in three stages following instructions displayed on the screen.

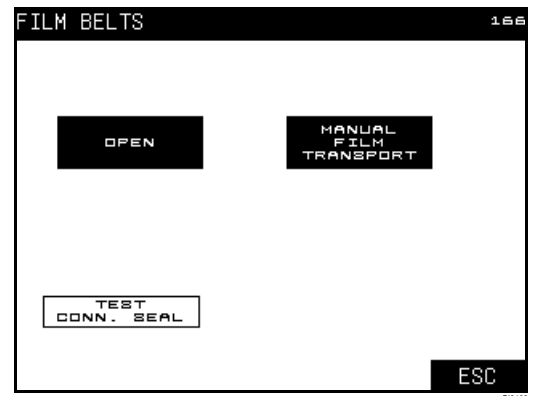




## 4.9 Film belt menu

### FILM BELTS

Selecting "OPEN" from the "FILM BELTS" sub-menu opens the belt and allows manual transport. The "MANUAL FILM TRANSPORT" allows the belt to be operated by hand.

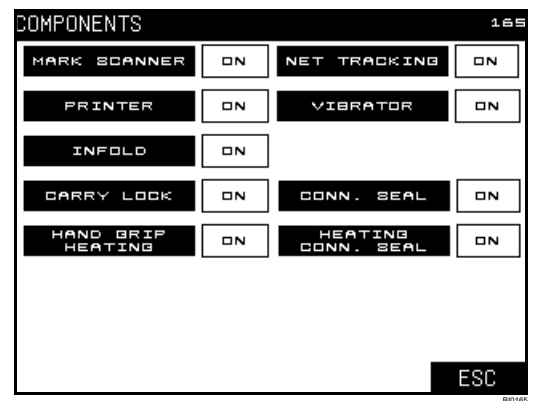


## 4.10 Components menu

### COMPONENTS

Using the "COMPONENTS" sub-menu, the machine components can be turned on and off independently of each other.

During production "HAND GRIP HEATING" or "HEATING CONN. SEAL" can be selected to preheat the seals.

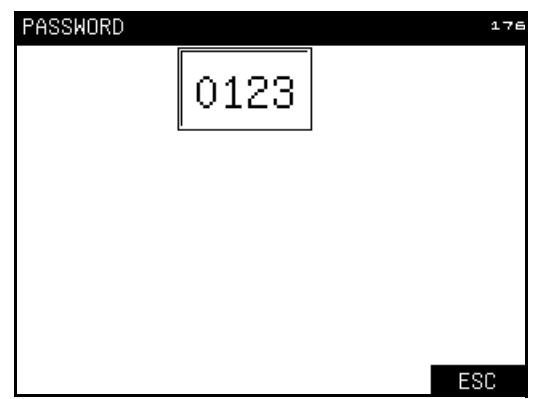


## 4.11 Password menu

### PASSWORD

Level 2 of the menu will open on entry of a password in the "PASSWORD" menu.

The extended level 2 is not addressed within this user manual.





## 5 Preparation procedures

### 5.1 Installation and operation

#### 5.1.1 Installation

##### Condition

The machine packaging is undamaged on delivery.

##### Procedure

- 1 Install the machine on a sturdy base e.g. concrete.
- 2 Install the machine in accordance with the placement diagram.

Use the lifting eyes or a fork lift truck.



##### **WARNING!!!**

Take care when using block and tackle equipment.

Use only suitable and approved lifting gear and attachments.

It is forbidden to stand under a suspended load.

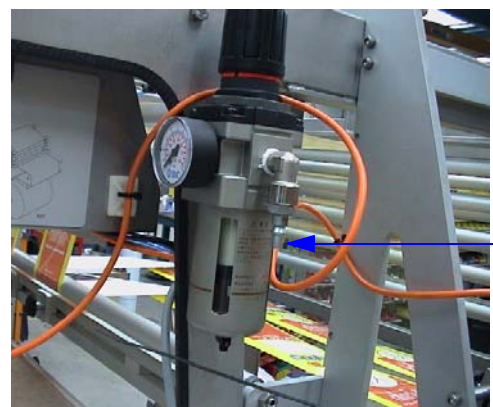
- 3 Adjust the machine using the adjustable feet:
  - Level.
  - A machine with liquid waste pipe: sloping towards the waste gulley, maximum 5 mm/m.
- 4 Connect the compressed air supply in such a manner that the supply can be switched off and the packaging machine can be depressurised. E.g. with a quick-coupler.
- 5 Connect the machine in accordance with the electrical diagram.

#### 5.1.2 Operation

- 6 Check that the phases of the electrical supply are connected correctly. Turn on the film transport and check the direction of rotation.



0034



0035

7 Check that the installed options are operational.

8 Set the Synchro-settings:

- Weighing machine ready / Jasa acknowledges, (P7.7 in Newtec loose. Jasa Synchro-setting at 0):

When the weighing machine has a drop ready in its weighing trays it gives a "ready signal". This signal will continue until Jasa gives an "acknowledgment". The "acknowledgment" is a pulse of 200 msec.

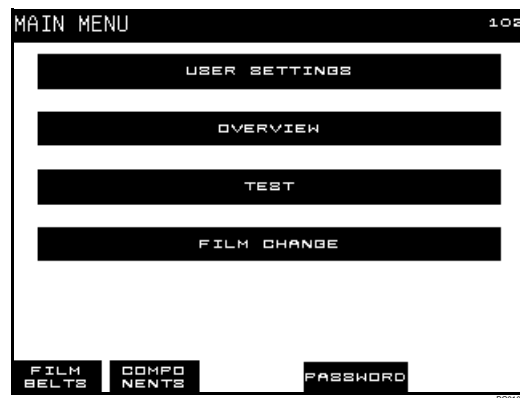
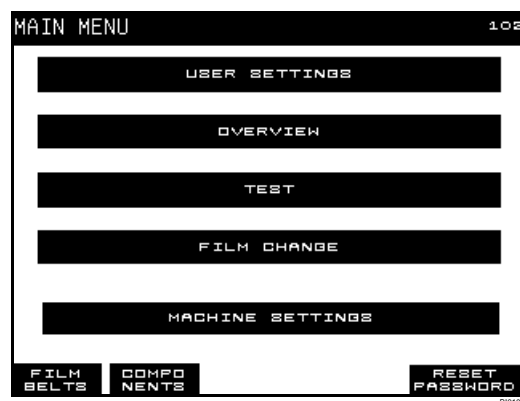
When the weighing machine receives the "acknowledgment" it releases its drop and removes the "ready signal".

- Jasa Ready to receive / Weighing machine dropped, (P7.7 in Newtec fixed. Jasa Synchro-setting at 1):

If the Jasa is ready to receive a drop it gives a "ready to receive signal". This signal is continuous until the weighing machine gives its "dropped signal". The "drop signal" is a pulse of 200 ms. When the weighing machine receives the "ready to receive signal" and it has a drop in its weighing trays, it releases its load and gives the "dropped signal". The Jasa removes the "ready to receive signal" on receipt of the "dropped signal".

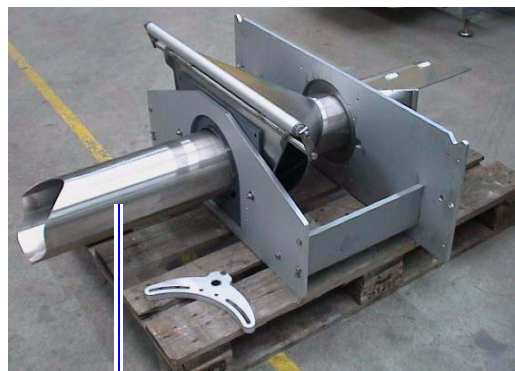
Without advancing the dropping time, without advancing the sealing jaws, and without buffer and collection belts. The Jasa starts a bag cycle by closing the seal jaws as soon as the weighing machine releases a portion. The weighing machine may resume its drops when the bag cycle is complete.

9 Go to level 1.



## 5.2 Select form holder and seal bar

### A Format.

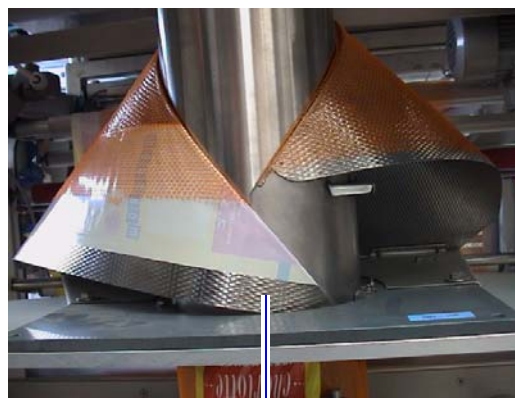
**A**

0036

### 5.2.1 Overlap

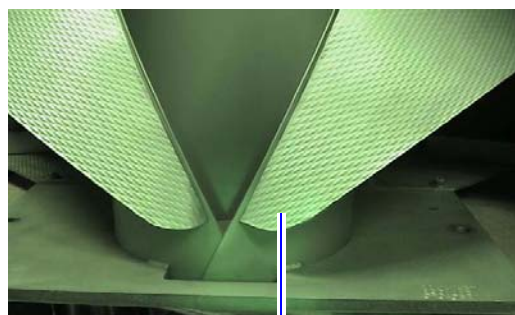
The intended bag overlap plays an important part in format selection.

### B Left over right (L – R) and a-symmetrical (with label film).

**B**

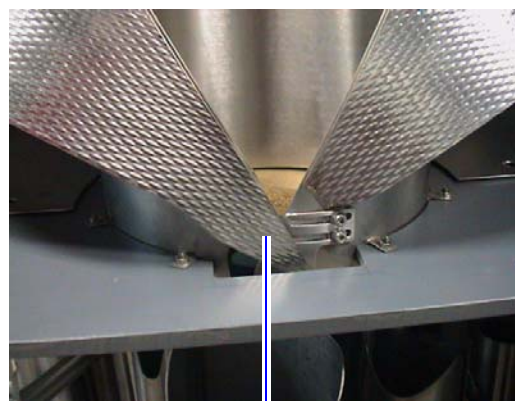
0037

### C Right over left (R – L) and symmetrical.

**C**

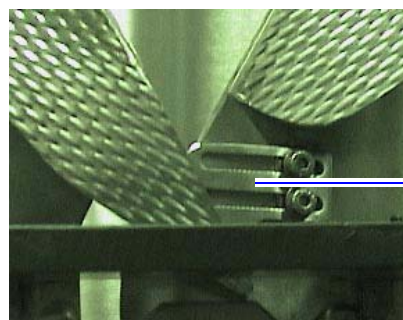
0038

**D** Universal form shoulder for bag (**D1**) or laminate bag (**D2**).



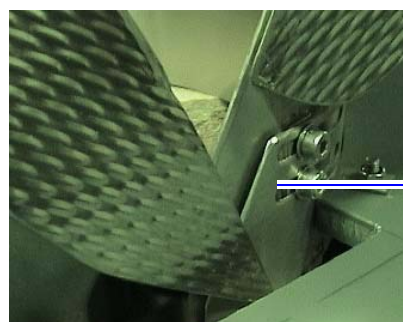
**D**

0039



**D1**

0040



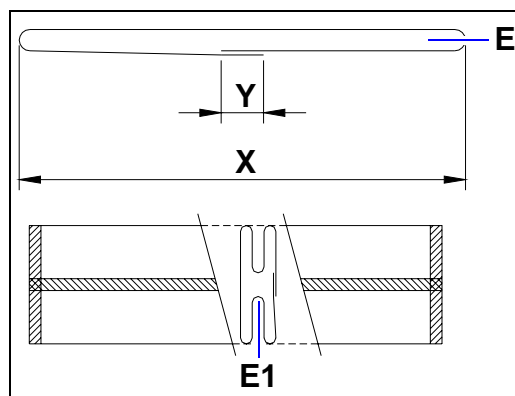
**D2**

0041

### 5.2.2 Bag width

**E** The bag width (**X**) [mm] is the size when laid flat and excludes side pleat (**E1**). The maximum bag size for this machine is 350 mm, when a bag is made using label film the maximum bag width is 340 mm.

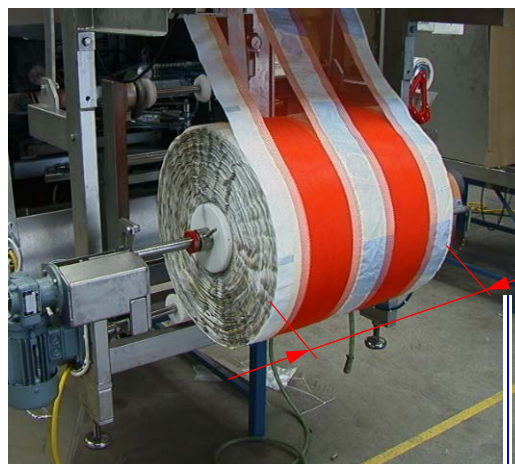
The format is signified with a number **X**, the format number.



0042

### 5.2.3 Calculating the width of the basic film roll

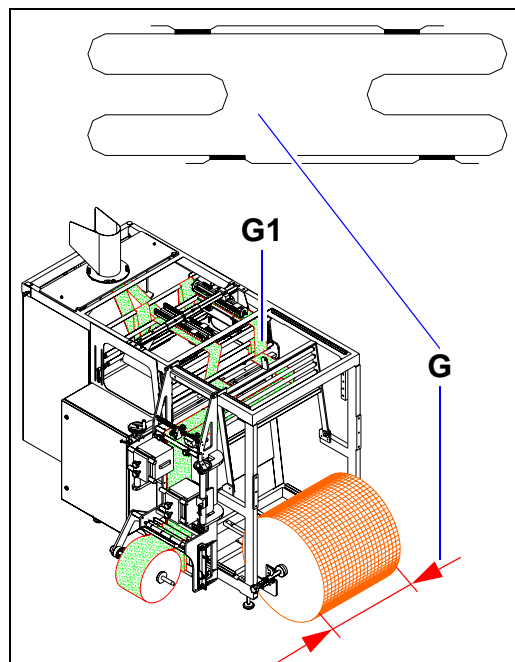
**F** Film or Vertisac:  $(2 \times \text{format number}) + (1 \times \text{overlap } Y = 30 \text{ mm})$ .



**F**  
0043

**G** Net film with label film:

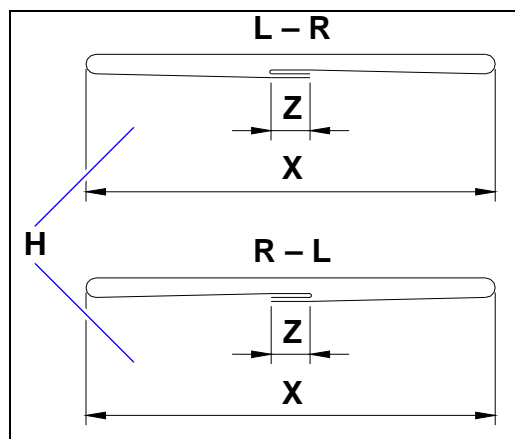
- Maximum  $2 \times$  format number.
- Minimum  $(2 \times \text{format number}) - (\text{film width label film exterior } G1) + (2 \times \text{overlap } Y = 30 \text{ mm})$ .



0044

**H** Laminate film:  $(2 \times \text{format number}) + (2 \times \text{overlap } Z = 20 \text{ mm})$ .

Remarks: Laminate film is only sealable on one side.



0045



### 5.2.4 Format

The maximum format for this machine is 350 or 340 mm for an asymmetrical format. Formats for all other bag widths are available on application. The following points are important:

- The overlap (R – L) or (L – R).
- A-symmetrical (with label film) or symmetrical.
- For laminate, for laminate and film or film.

### 5.2.5 Connection seal bar and vertical seal bar versions

- PE - 3 mm.
- PE or laminate - 6 mm.
- Laminate or PP - 8 mm.

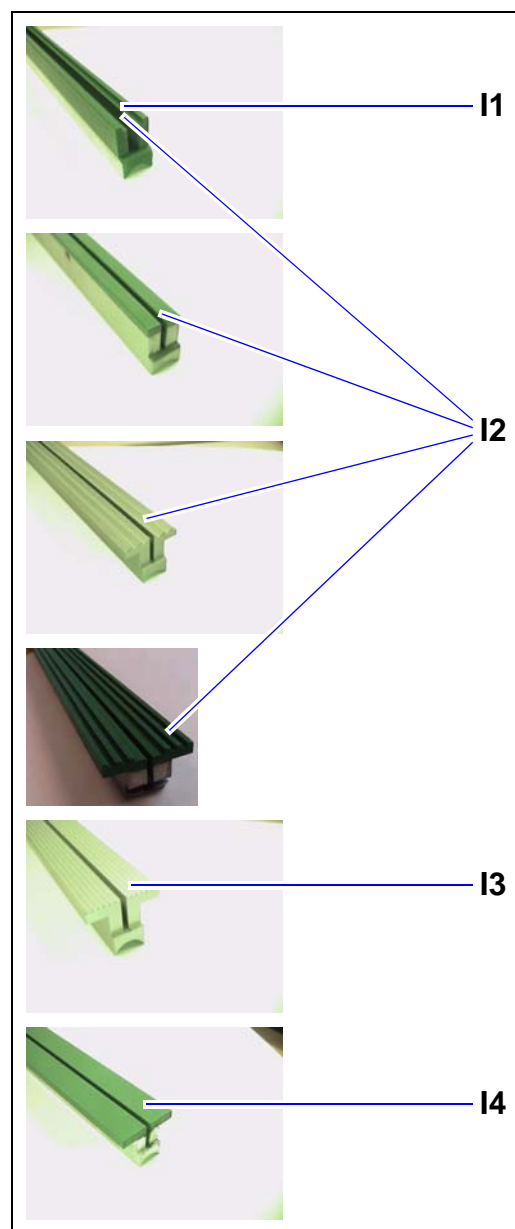
### 5.2.6 Horizontal seal bar versions

Length 280 or 380 mm. The selection depends on the format number and if the bags are to be produced only with side pleat.

- PE or extruded net - 3 mm (**I1**).
- Laminate - 3 mm, 6 mm, coarse serration or 3 x 3 mm (**I2**).
- PP - fine serration (**I3**).
- Claf + label film - 12 mm (**I4**).



0046



0047



## 5.3 Turning on machine

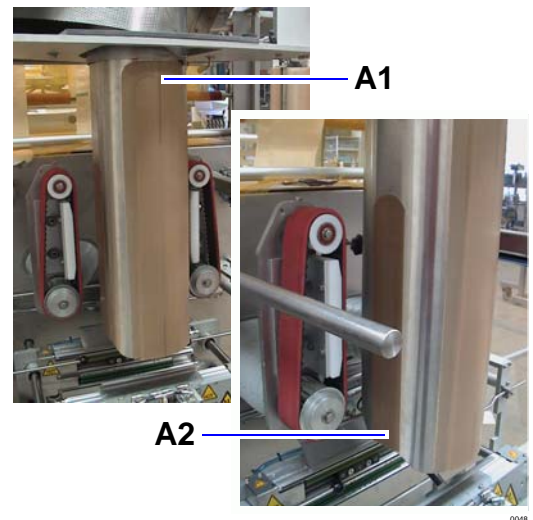
### Tools

Soft cloth.

### Procedure

- 1 Check the following points before the machine is used for the first time:
  - For damage.
  - If all parts and accessories are present.
  - The correct operation of the controls.
- 2 Check that the fitted seal bars are suitable for use with the film type to be used (see paragraph 5.2.6 on page 36).
- 3 Check the teflon (**A1**) and if fitted **A2** for damage and wear.

The fibres of the protective layers may not be visible and there should be no evidence of loose teflon particles. Inspect the rubber background for damage and thickness uniformity.



- 4 Inspect the teflon layer at the connection seal bar and at the vertical seal bar. Make the necessary adjustments if there are signs of wear.
- 5 Close the doors.



## 5 Preparation procedures

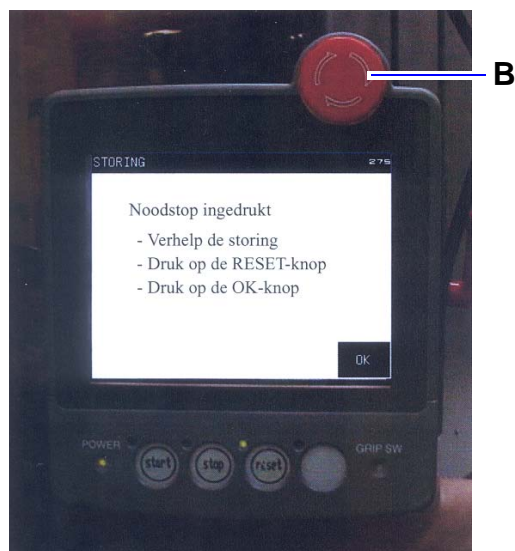
- 6 Clean the reflectors and infeed (option) photocells with a soft cloth.



- 7 Turn on the power.



- 8 Reset the machine: release the emergency stop button (B) then press "reset" and "OK" (see paragraph 4.1 on page 17).



### 5.4 Basic film transport

#### Condition

The machine is on.

The basic film roll is changed.

**Tools**

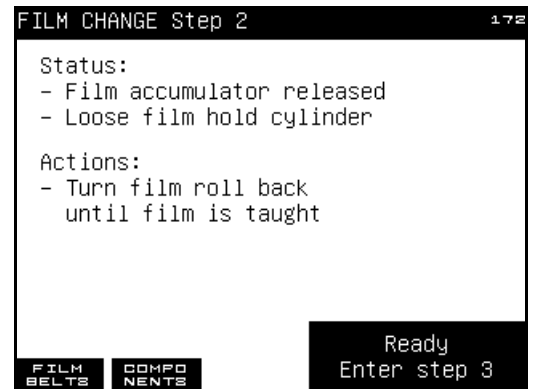
Scissors.

**WARNING!!!**

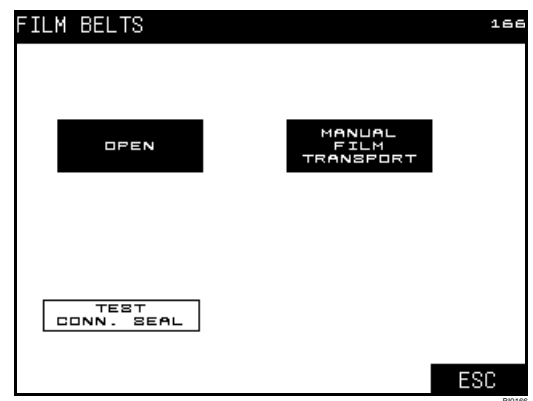
Foil feeding takes place with foil belts running. The running belts can cause serious and permanent injury.

**Procedure**

- 1 In the main menu press "FILM CHANGE". Press "Start Film Change", then move to step 2 via the next screen. The "FILM CHANGE Step 2" screen is displayed.
- 2 Open the doors.
- 3 Remove any remaining film from the machine.

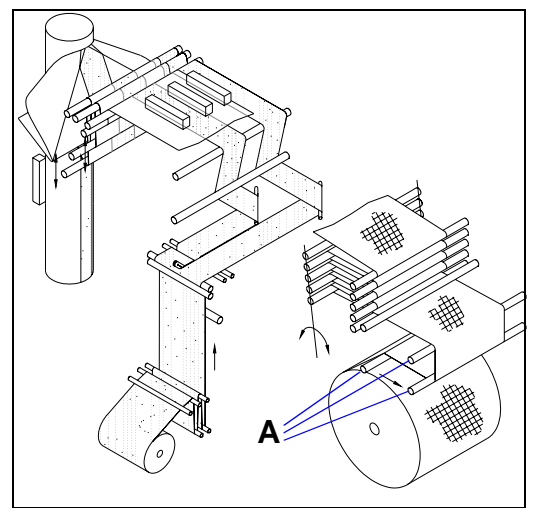


- 4 Open the film belt: press "FILM BELTS" and then press "OPEN".



- 5 Feed the basic film through the machine up to the format.

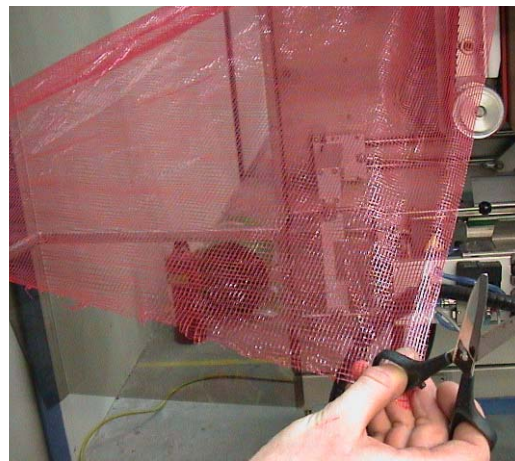
Film path (A) with basic film seal unit (option).



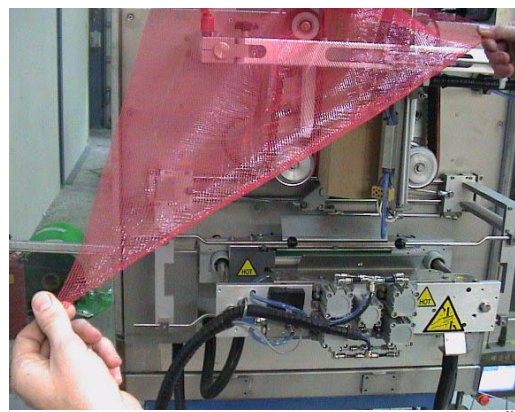
## 5 Preparation procedures

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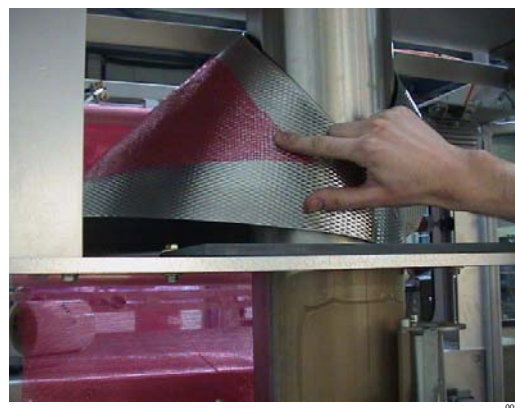
**6** Pull out approximately 1 metre of the basic film.



**7** Cut the basic film at 45° from left to right.

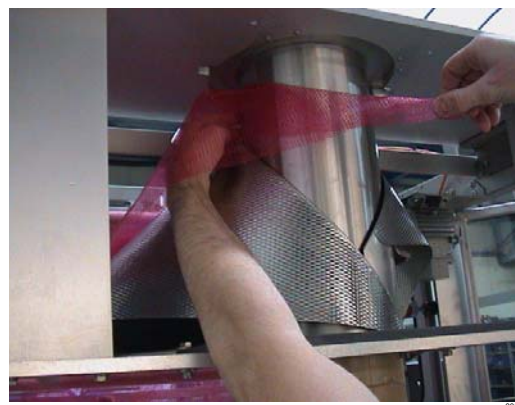


**8** Lie the resulting point of film over the shoulder.



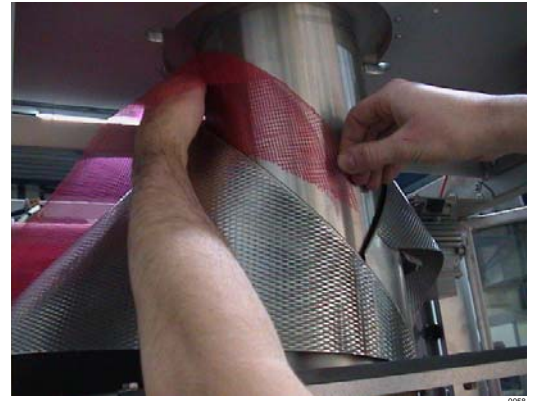
**9** Take the point (right-hand) and pull it out slightly further.

**10** Place your left hand behind the film until it is just under the edge.





- 11** Hold the basic film taught with your right hand and fold the basic film backwards with your right hand.
- 12** Thread the folded part of the basic film between the shoulder and the infeed. Push the basic film through firmly and carefully until the point appears.



- 13** Take the point (left hand), pull it out carefully until the basic film appears at the top right hand side.



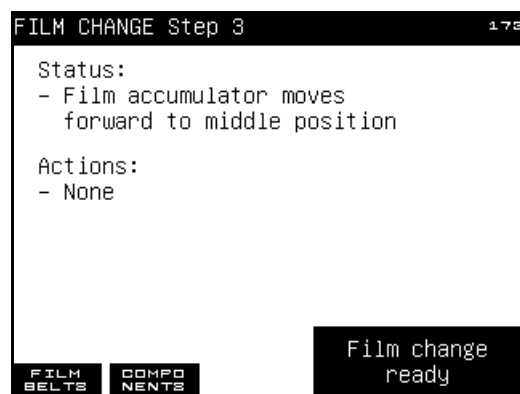
- 14** Take the folded section of the basic film in your right hand. Then pull carefully from left - right - left - right etc.



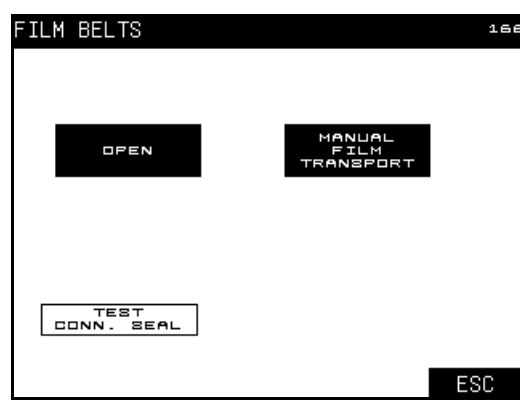
- 15** Pull the basic film downwards.



- 16** Close film belts: Press "CLOSE" on the "FILM BELTS" screen. Then press "ESC" and go to step 3 via the next screen. The "FILM CHANGE Step 3" screen is displayed.



- 17** Basic film transport: press "FILM BELTS", then press "MANUAL FILM TRANSPORT". Keep this pressed in until the edge of the film runs true. Then press "ESC" twice to return to the main menu.

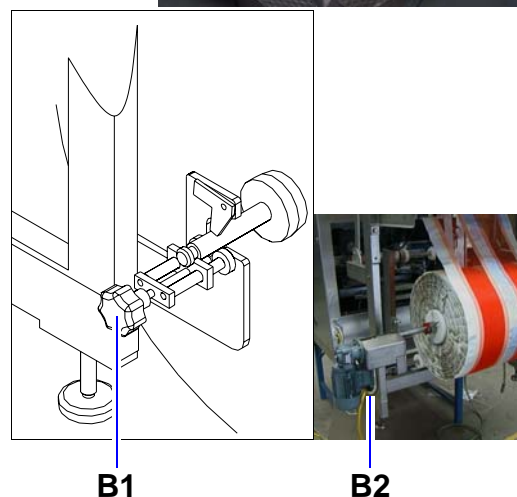


- 18** Check that both film edges correspond with each other. If the difference is more than 7 mm, make the necessary roll adjustment (**B1** (or **B2** (option), see paragraph 6.6 on page 67)) and repeat step 17 of the procedure.



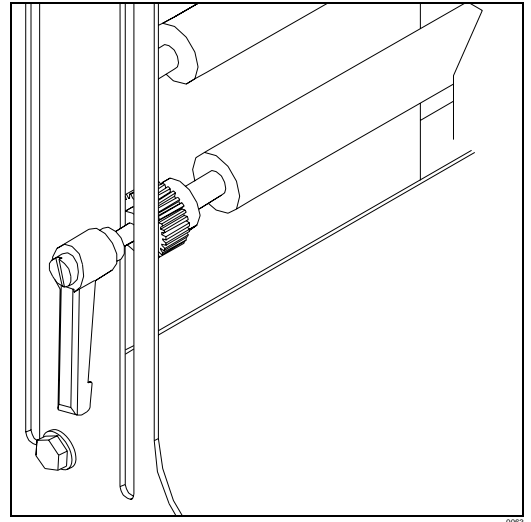
- 19** If label film is to be used; introduce this into the machine (see paragraph 5.5 on page 43) and position correctly (see paragraph 5.6 on page 46).

- 20** Close the doors.



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- 21** If the bag is cut over the mark; check this. Make any necessary adjustments.



## 5.5 Label film transport

### Condition

The machine is on.

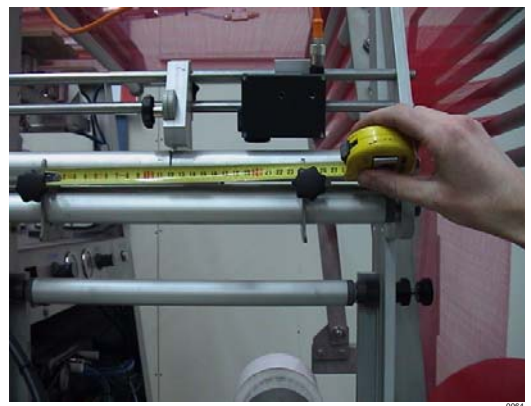
The label film roll has been changed.

### Tools

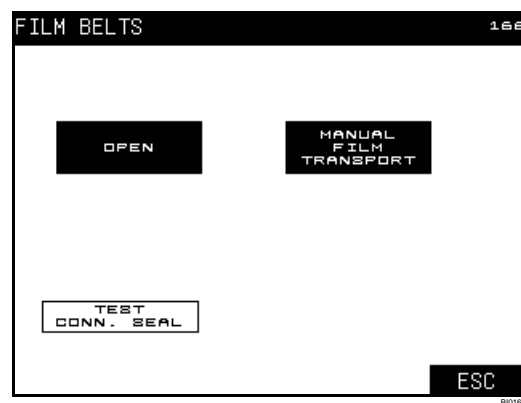
Measuring tape.

### Procedure

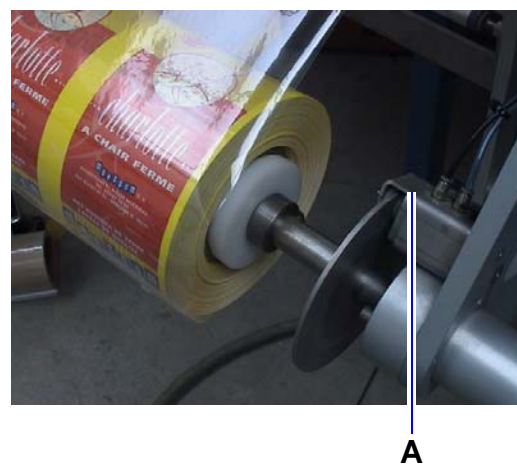
- 1 Check that the connection seal and the connection seal bar heating is turned on.
- 2 Adjust both side guides from the centre outwards to within + 1 mm of the label film roll width.



- 3 Open the film belt: press “FILM BELTS” and then press “OPEN”.



Brake **A** is released.





- 4 Pass the label film through the machine up to the cutting edge (B).

**Note:** Lift the film-accumulator to its maximum height, this simplifies the film transport.

- 5 Guide the label film carefully around the roll at the cutting edge position. Then pull out the label film evenly for ( $\pm 1,5$  meter). The cutting edge cuts the label film in two lengths.



### WARNING!!!

Never touch the cutting edge from behind!

- 6 Pass the outer length over the return bar and under the basic film. Continue to pass this outer length until it is under the connection seal bar (C).



### WARNING!!!

Never touch the hot seal bar.

- 7 Making a connection seal: press the button E1 or press "TEST CONN. SEAL" on the "FILM BELTS" screen. Then release the film from the seal bars (E2).



### WARNING!!!

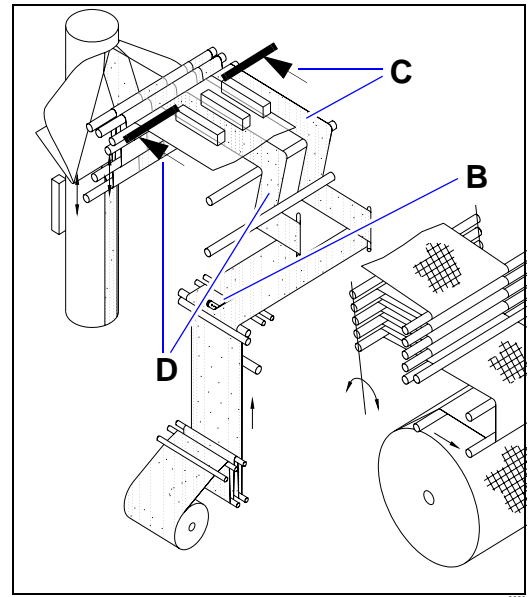
The connection seal unit closes, avoid jamming!  
The depression time is the seal time!

- 8 Pass the middle length of film around the loop rolls and around the return bar (D).

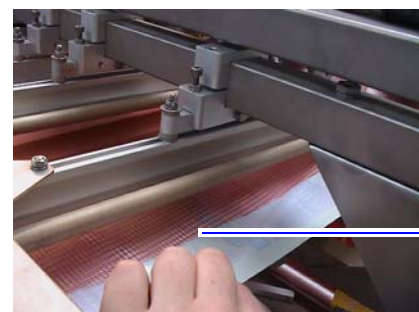
- 9 Hold this length of film taught and check if both lengths are equal. If not, make the necessary roll adjustment (F) and re-check.

- 10 Pass the middle film length under the basic film up to the connection seal bars. Then carry out step 7.

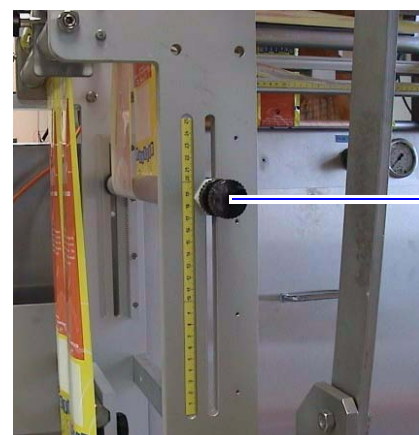
- 11 Close the film belts by pressing "CLOSE" on the "FILM BELTS" screen. Then press "ESC" to return to the main menu.



E1



E2



F

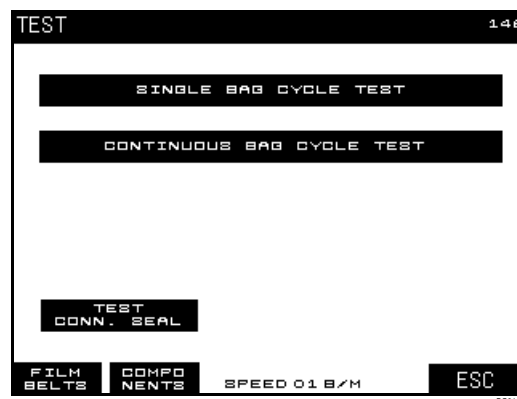
### 5.6 Positioning label film

#### Condition

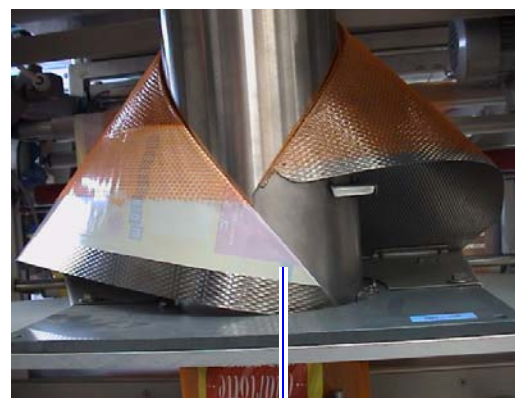
The label film is passed through the machine.

#### Procedure

- 1 Press "TEST" on the menu. Then press "CONTINUOUS BAG CYCLE TEST".



- 2 Film transport: Press the Start button (A) and wait until the film B is stationary. Then press the Stop button (C).



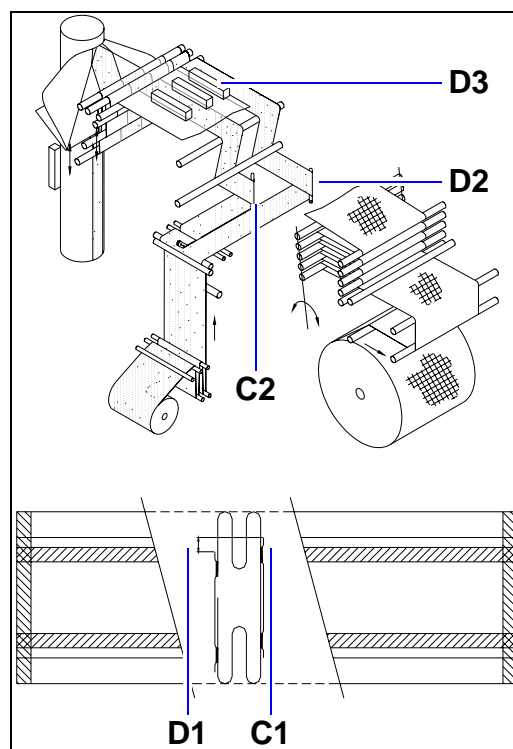
B

- 3 The middle section of the label film should be in the centre of the last bag (**C1**).

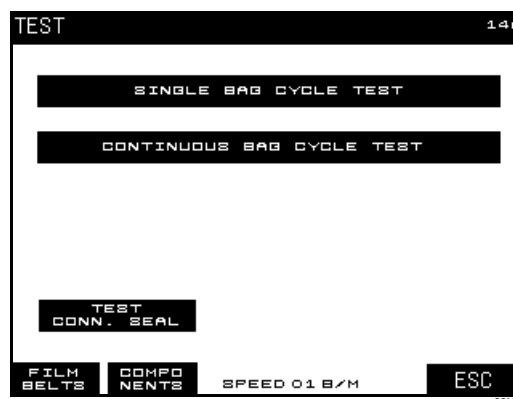
Adjust the return bar as required (**C2**) and repeat points 2 and 3.

- 4 The outside section of the label film should be immediately opposite the centre section of the last bag (**D1**).

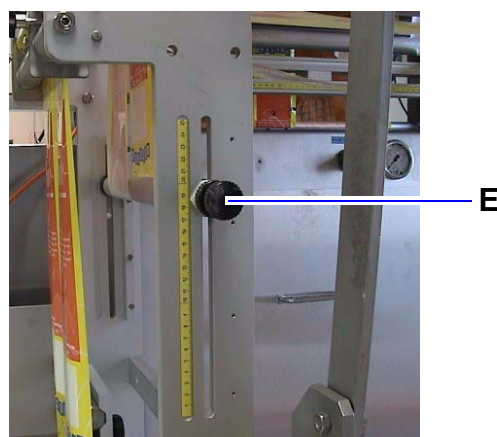
Adjust the return bar as required (**D2**) and make any necessary adjustments to the connection seal bar (**D3**). Repeat points 2 and 4.



- 5 Press "ESC" on the "TEST" screen.



- 6 The pattern on the outer and centre film section should match. If not, adjust the roll (**E**) and recheck.



### 5.7 Setting the mark scanner

The mark scanner is used to determine the length of the film by using the marks that are printed on the film. Because the film printing is optional, a choice can be made from 3 different settings.

#### 5.7.1 Counter

If there are no marks printed on the film, the length of the film will be determined by the counter. The machine should be set for length measurement using the counter. The counter measures the passage of the film transport and makes gradual adjustments to the length as required.

#### 5.7.2 Mark scanner

If the mark scanner is selected, the length is determined by the marks on the film. If a converted transport time which includes a margin for error elapses without detecting a mark, the packaging machine will stop and an error message will be displayed.

#### 5.7.3 Mark scanner with counter.

This selection can only be selected if the machine is equipped with a counter.

If the mark scanner with counter is selected, the length of the film will be determined by the marks on the film. This option can be selected if the film contains printing within the marks that can be recognised by the scanner. The measurement of the film roll displacement allows the mark location to be determined with greater accuracy. Intermediate marks have therefore no influence.

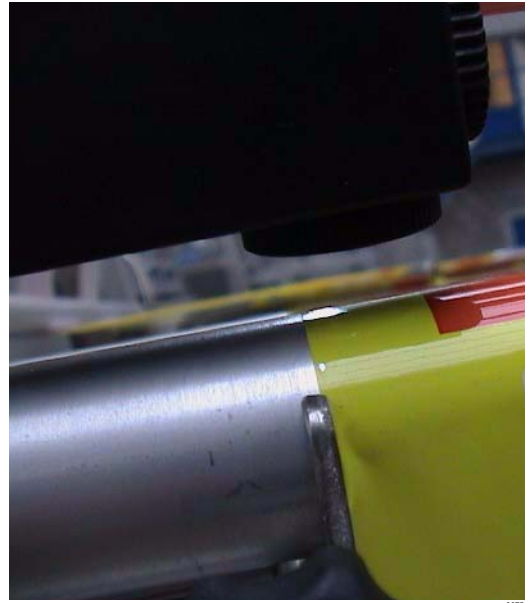
#### 5.7.4 Procedure for setting the mark scanner.

- 1 Check that the light aperture of the mark scanner is located in the path of the marks. Adjust as required.



0074

- 2 Position the label film so that the light aperture illuminates the mark field.



- 3 Without disturbing the label film press the button located below the green indicator (ready) until the indicator is extinguished.
- 4 Position the film so that the light aperture no longer illuminates the mark field.
- 5 Without disturbing the label film press the button located below the red indicator (out) until the green indicator illuminates briefly and then extinguishes.



The green indicator will be continuously illuminated when the mark scanner is set correctly.

If the indicator flashes slowly, the setting procedure has failed.

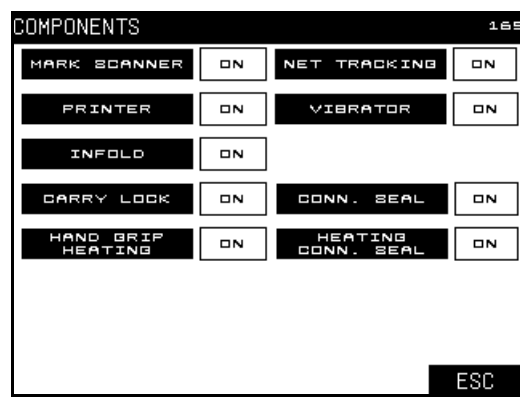
A rapidly flashing indicator is an indication that the photocell has short-circuited or is overloaded.

An extinguished indicator means that the photocell is not energised or that the grey value has been achieved.

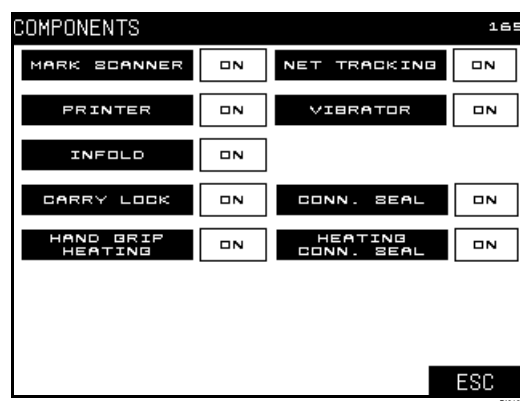
- 6 Turning the mark scanner on.
  - Press "COMPONENTS" on the main menu screen.



- Press "OUT" adjacent to "MARK SCANNER". The mark scanner is turned on.



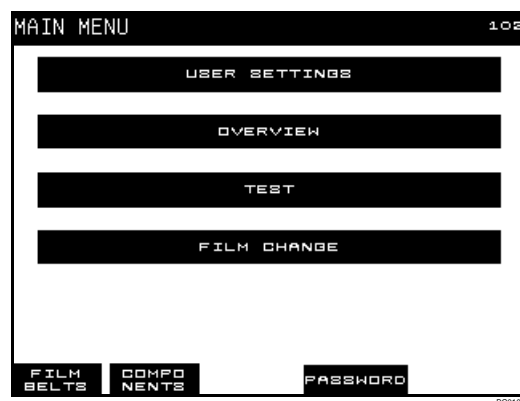
- Press "ESC" to close the components menu.



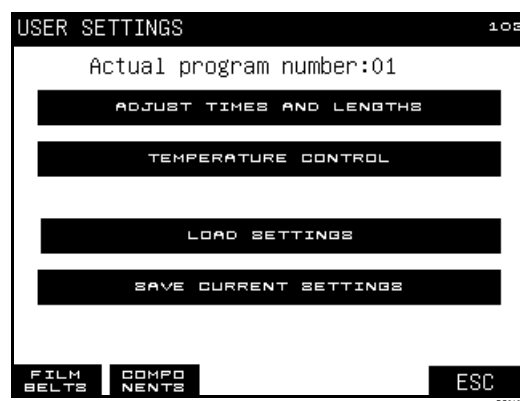
**Note:** Point 7 does not apply to "MARK SCANNER WITH COUNTER".

### 7 Film length.

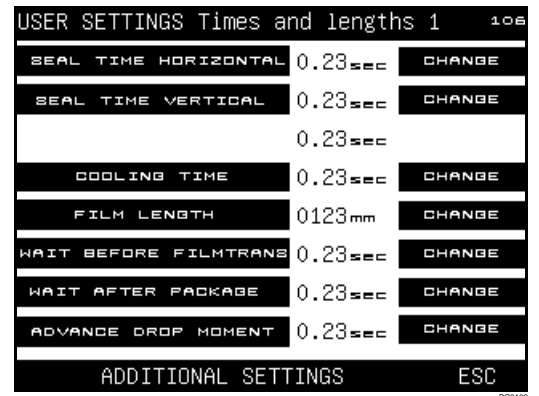
- Press "USER SETTINGS".



- Press "ADJUST TIMES AND LENGTHS".



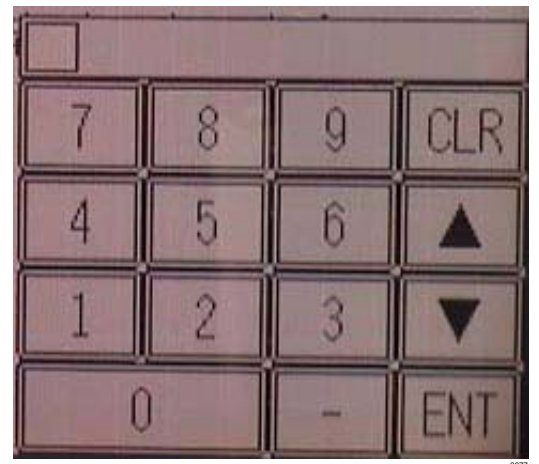
- Press "CHANGE" adjacent to "FILM LENGTH".



- Press the value to be changed.



- Type in the film length on the numeric screen + 10 mm and activate this value by pressing "ENT".
- Close the numeric screen by pressing the small square in the top left-hand corner of the numeric screen.



- Press "ESC" until the main menu is displayed.



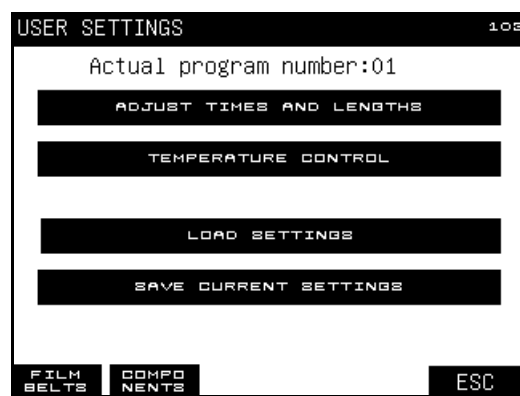
**Note:** Point 8 only applies to "MARK SCANNER WITH COUNTER".

### 8 Film length.

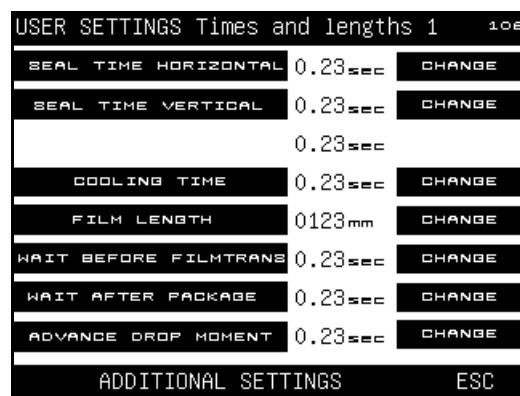
- Press "USER SETTINGS".



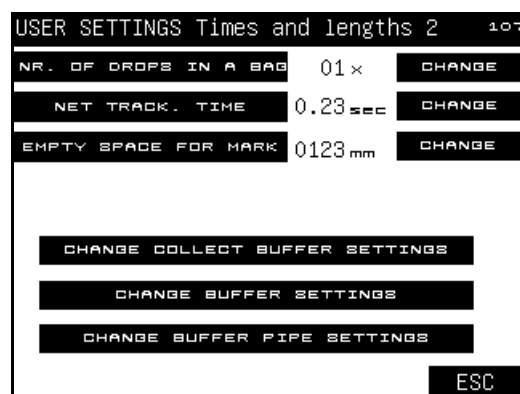
- Press "ADJUST TIMES AND LENGTHS".



- Press "ADDITIONAL SETTINGS".
- Measure the distance between the end of the printed field and the start of the mark using a measuring tape. This should be a minimum of 35 mm. If this distance exceeds 99mm, please enter 99 mm.



- Press "CHANGE" adjacent to "EMPTY SPACE FOR MARK".

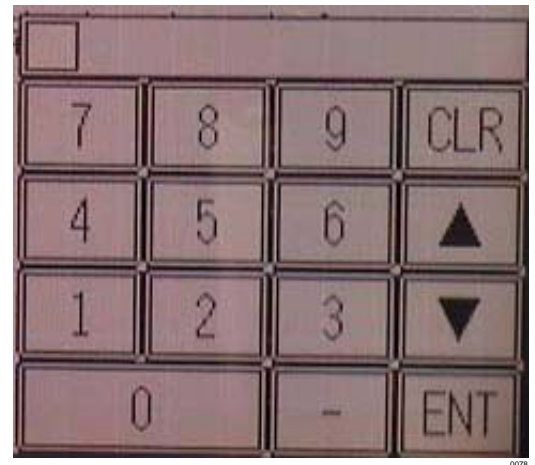




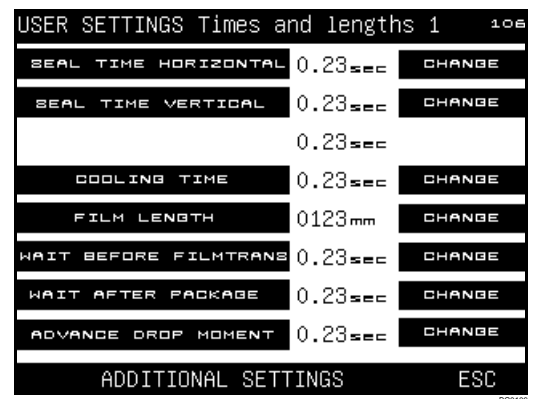
- Press the value to be changed.



- Type the measured value on the numeric screen and press "ENT".
- Close the numeric screen by pressing the small square in the top left-hand corner of the numeric screen.
- Press "ESC".



- Press "CHANGE" adjacent to "FILM LENGTH".



- Press the value to be changed.

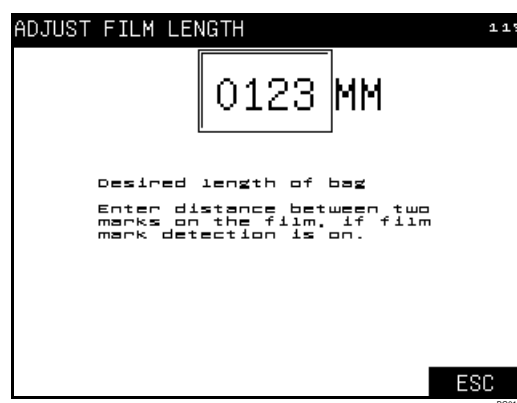


## 5 Preparation procedures

- Type the exact film length on the numeric screen and press "ENT".
- Close the numeric screen by pressing the small square in the top left-hand corner of the numeric screen.



- Press "ESC" until the main menu is displayed.

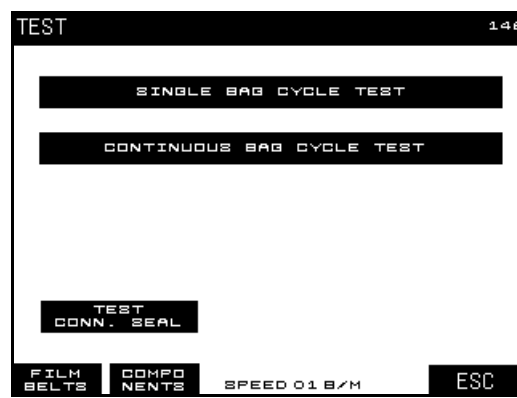


## 9 Producing bags.

- Press "TEST" on the menu.



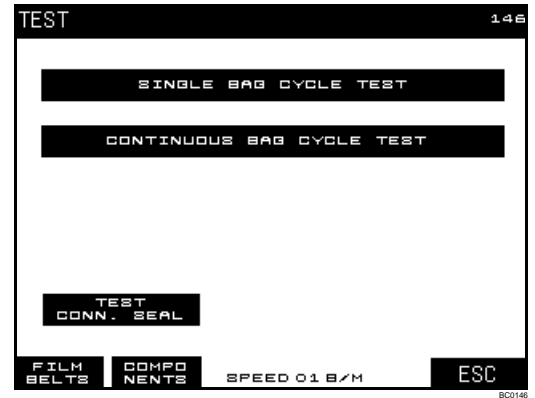
- Press "SINGLE BAG CYCLE TEST".



- Press the start button twice to start the test cycle.
- Check the film length.

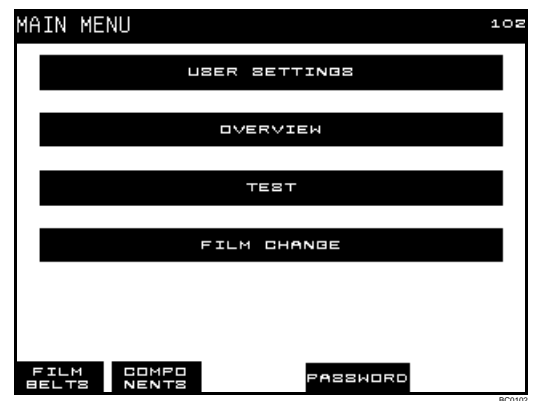


- Press "ESC" or adapt the data as required.

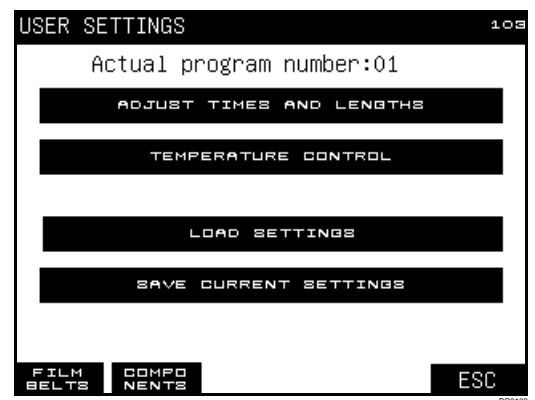


#### 10 Save program.

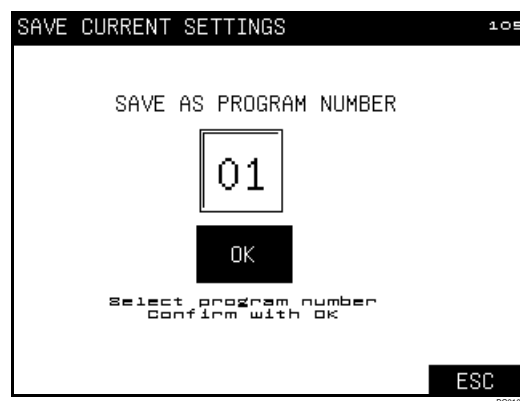
- Press "USER SETTINGS".



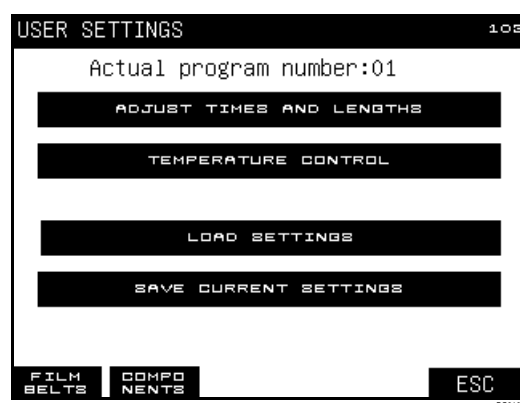
- Press "SAVE CURRENT SETTINGS".



- Press the program number.
- Type in the desired program number and press "ENT".
- Close the numeric screen by pressing the small square in the top left-hand corner of the numeric screen.
- Close the "SAVE SETTINGS" screen by pressing "ESC".



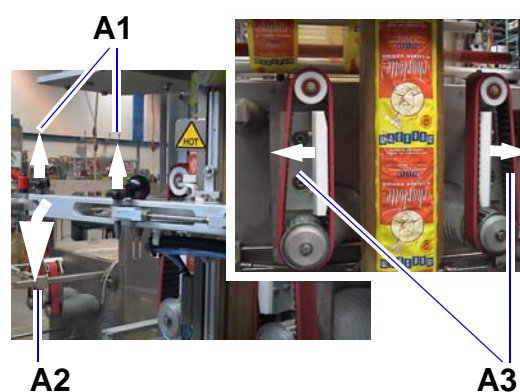
- Press "ESC" once again.



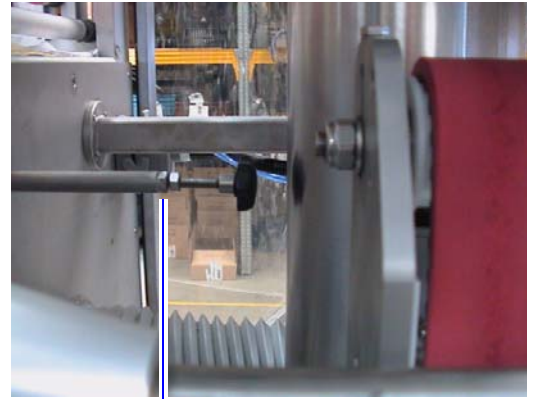
## 5.8 Changing a format

### Procedure

- 1 Press the emergency stop button.
- 2 Releasing the product infeed:
  - Disconnect the bar **A1** and **A2**.
  - **A3** pull the film belt out, tear the film open and push it to the rear.



- 3 When using larger formats: rotate the support (**B**) as required!



**B**

0082

- 4 Replacing a format:



**WARNING!!!**

Avoid damage from shocks and careless handling.  
A format is too heavy to be handled by one person!

- Loosen both screws (**C**) and remove the format from the machine.
- Place the new format in the machine, slide into position against the stays and replace the screws (**C**).



**C**

0083

- 5 Visually check to ensure that the infeed is parallel to the film belts. If not, contact the maintenance technician.



0084

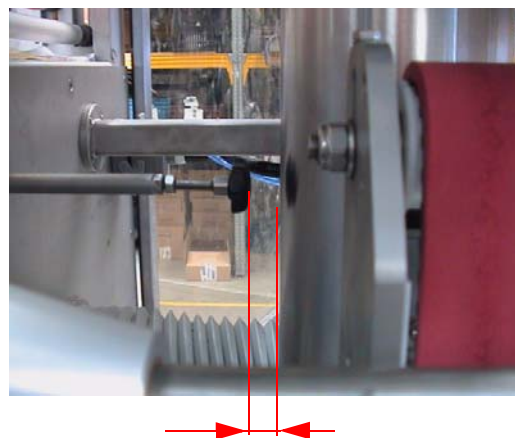
- 6 With other formats: Dismantle the crescent and attach the appropriate format.



- 7 Fix the bar.



- 8 Check the adjustment of the support opening ( $> 1.0$  and  $< 2.0$  mm). Re-adjust as required.

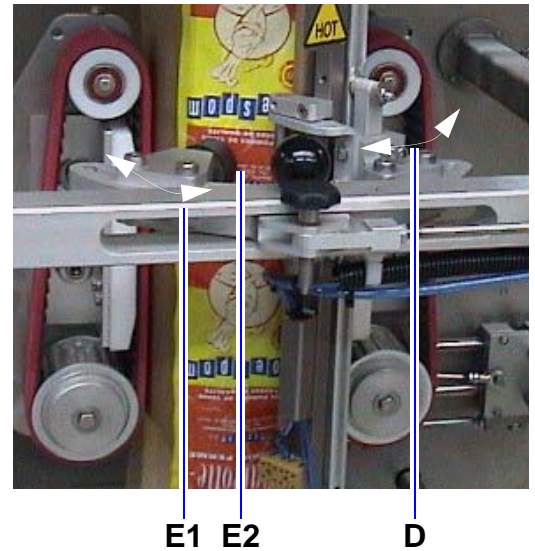


**Only adjust the vertical seal bar when using other formats**

The correct location can be determined when the basic film (see paragraph 5.4 on page 38) or label film (see paragraph 5.5 on page 43) is loaded into the machine.



- 9 Adjust the seal bar to correspond with the seal join (**D**).
- 10 Adjust support (**E1**) to correspond with the seal bar. Rotate inwards or outwards as required (**E2**) so that it is supported together with the seal bar against the product infeed.

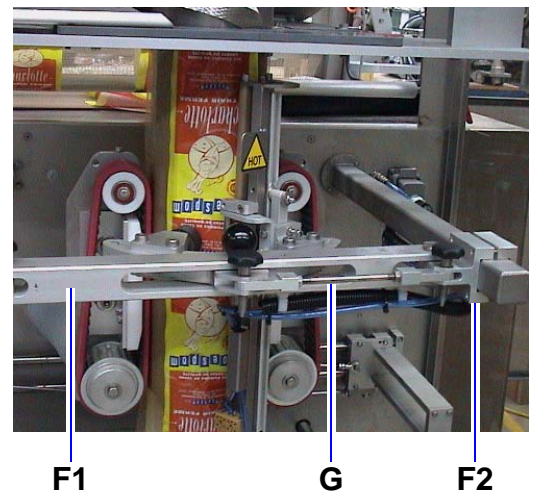


0088

- 11 Parallelism of the bar (**F1**) with the back plate:

- Gently push the bar (**F1**) against the product infeed and measure the distance from the bar to the back plate in two locations.
- If the bar is not parallel (**F2**) adjust and remeasure.

- 12 Check that the vertical seal bar faces the centre of the product infeed. Adjust as required (**G**).

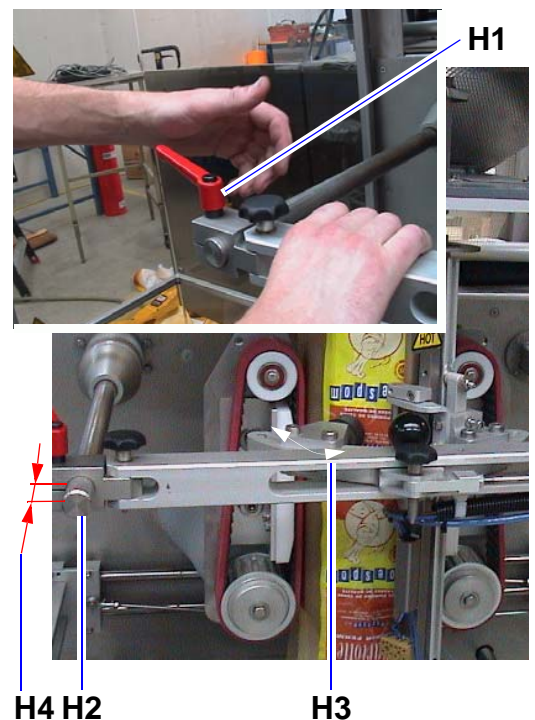


0089

- 13 Bar adjustment:

- Loosen the fixings (**H1**) and push the rod (**H2**) back.
- Gently push the bar (**H3**) against the product infeed and measure the distance (**H4**).
- Adjust the bar (**H3**) so that the distance (**H4**) is 10 mm greater and retighten the fixings (**H1**).

- 14 Reset the emergency stop (see paragraph 4.1 on page 17).



0090

## 5.9 Replacing a horizontal seal bar

### Material

Heat conducting paste.

### Procedure



#### **WARNING!!!**

Even after the machine is switched off, the seal bars are still hot.



#### **WARNING!!!**

One of the seal bars is equipped with a cutting edge

#### 1 Dismantling a seal bar:

- Apply even pressure to the spring, or use the tool supplied.
- Lift the spring carefully over the lip.
- Remove the seal bar from its holder.

#### 2 Apply a thin even layer of heat conducting paste to the inside of the new seal bar.



0091

#### 3 Attach the seal bar:

- Place the seal bar in the seal unit against the seating.
- Return the spring symmetrically to its place by hand.
- If this requires some force, repeat the procedure.



0092



## 6 Operating procedures

### 6.1 Starting and checking production preamble

#### Conditions

The machine is turned on and the user settings have been entered.

The basic film is loaded together with label film where applicable.

The equipment used for transporting products is ready for production.

#### Procedure

- 1 Check that both film rolls are firmly attached to the spindle.

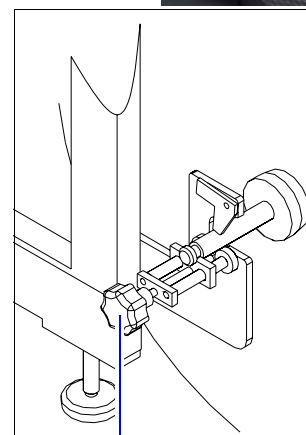
When fitted, the pinion locks as the film is unrolled.

- 2 Starting production: push the start button.

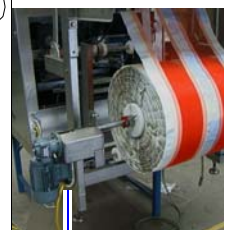


0093

- 3 Check that both film edges correspond with each other. If the film deviation is greater than 7 mm, adjust the roll (**A1** (or **A2** (option), see paragraph 6.6 on page 67)) and re-check.



A1



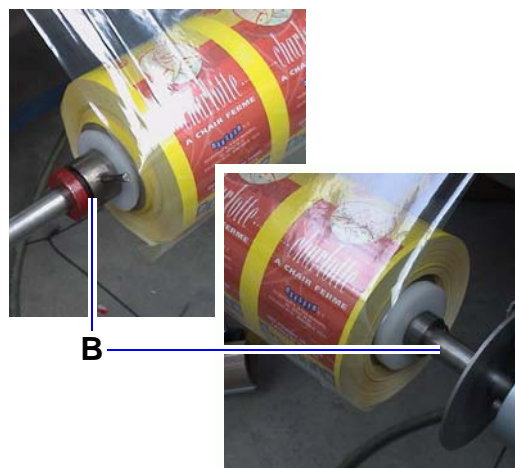
A2

0094

- 4 When using label film: Check that the transversal position of the roll is correct. This can be corrected using the roll transverse adjustment (screws **B**).
- 5 Check the seal connection, see paragraph 6.3 on page 63.



0095



0096

- 6 Check if:
  - The drops are ready when the seal jaws close. This can be adjusted by changing the value adjacent to "WAIT AFTER PACKAGE".
  - The product is received by the seal jaws. This can be adjusted by changing the value adjacent to "ADVANCE DROP MOMENT".

| USER SETTINGS Times and lengths 1 |         |        | 10E |
|-----------------------------------|---------|--------|-----|
| SEAL TIME HORIZONTAL              | 0.23sec | CHANGE |     |
| SEAL TIME VERTICAL                | 0.23sec | CHANGE |     |
|                                   | 0.23sec |        |     |
| COOLING TIME                      | 0.23sec | CHANGE |     |
| FILM LENGTH                       | 0123mm  | CHANGE |     |
| WAIT BEFORE FILMTRANS             | 0.23sec | CHANGE |     |
| WAIT AFTER PACKAGE                | 0.23sec | CHANGE |     |
| ADVANCE DROP MOMENT               | 0.23sec | CHANGE |     |
| ADDITIONAL SETTINGS               |         |        | ESC |

BC0106

## 6.2 Checking production

### Procedure

Check at least once a day:



### **WARNING!!!**

Even after the machine is switched off, the seal bars are still hot.

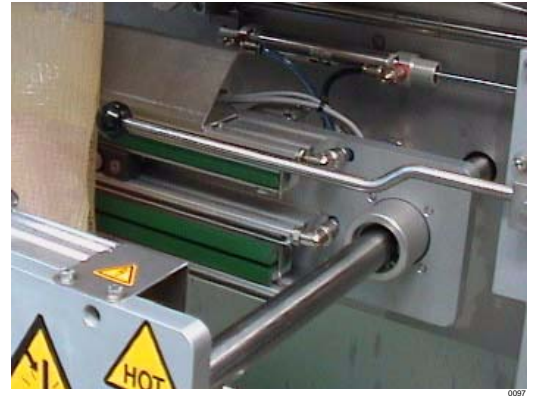


### **WARNING!!!**

One of the seal bars is equipped with a cutting edge.

- 1 The horizontal seal bars for damage and soiling.
  - Change any damaged seal bars, see paragraph 5.9 on page 60.
  - If the seal bar is soiled:
 

Clean the warm horizontal seal bars and cutting edge groove with a wooden spatula.
- 2 Check the seal connection, see paragraph 6.3 on page 63.



## 6.3 Checking the seal connection

### Procedure

- 1 The seal connection should be of adequate strength. If this is not the case:
  - Increase the seal time.
  - And/or increase the cooling time.
  - And/or increase the seal temperature.
  - And/or check the system air pressure.
  - If the film seals poorly, load a new roll.
- 2 The seal surface may not become too hot. This will be evident if:
  - Polythene (PE): the seal joint creases together or melts.
  - Polypropylene (PP) or laminate: the seal joint is deformed.

Possible causes:

- The seal time is too long.
- And/or the seal temperature is too high.
- And/or the teflon coating of the seal bar is worn or the teflon film of the longitudinal connection seal bar is worn.

## 6.4 Changing a basic film roll

### Material

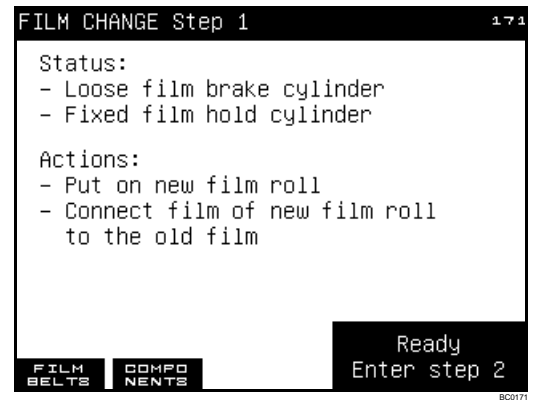
Single-sided tape.

### Procedure

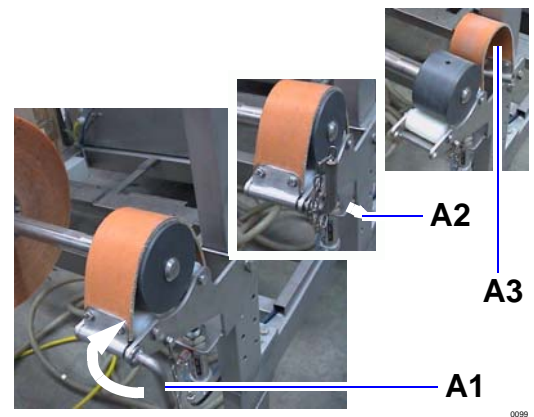
- 1 The machine stops automatically when the roll is empty or stop the machine using the stop button.



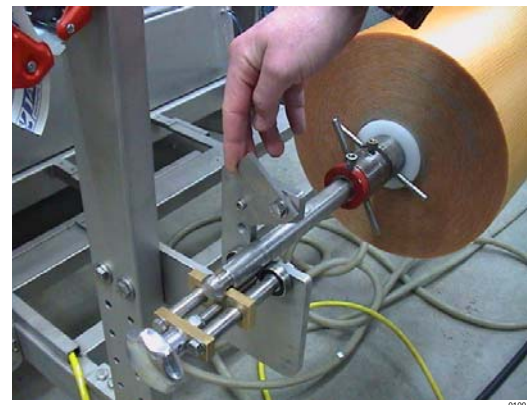
- 2 Changing the basic film roll: press "FILM CHANGE" on the main menu, then press "Start Film Change". The "FILM CHANGE Step 1" screen is displayed.
- 3 Cut the film off at the roll.



- 4 Loosen the brake belt, **A1**, **A2** and **A3**.



- 5 Lift up the catch and remove the spindle from the machine.
- 6 Release the tube fixing; loosen the latches.



- 7 Caution:** Only net film: Unrolling direction **R** (clockwise) or **L** (anti-clockwise).

If this is not taken into account, the transverse fibres of the net film will be pulled loose by the film transport belts.

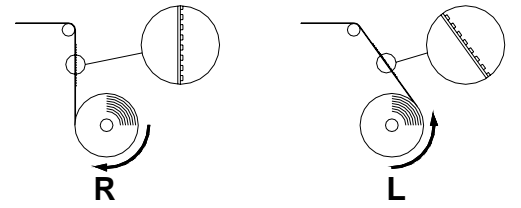
- 8** Slide the spindle out of the old tube and place into the tube of the new roll. Place the new roll complete with spindle into the machine.

Make sure that the roll is located in the centre of the machine.

- 9** Tighten the latches.

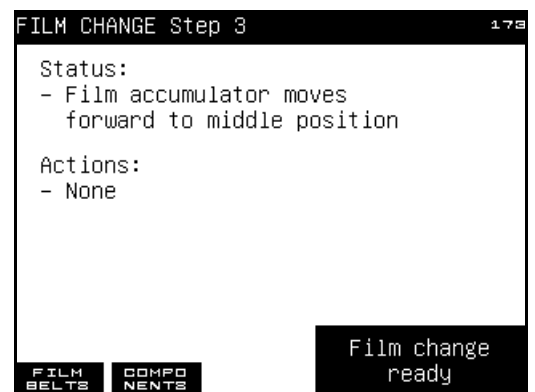
- 10** Assemble the brake in reverse order, see point 4.

- 11** Attach the film lengths to each other: tape or basic film seal unit (option):



| Tape   | Basic film seal unit   |
|--|--|
| Attach 3 lengths of adhesive tape lengthways to the inside of the new film.                      | Place the old film length onto the seal unit, and cut off any excess overlap.    |
| Take the film length from the film accumulator and position it over the strips of adhesive tape. | Take the film from the roll and lay it into position (overlapping the old film). |
| Stick three strips of adhesive tape on the outside of the film join and secure firmly.           | Push the seal arm down and then release.   |

- 12** Move from the "FILM CHANGE Step 1" screen to step 2 and follow the instructions. Then move to step 3 and once again carry out the instructions. Then finally press "ESC" to return to the main menu.



## 6.5 Changing the label film roll

### Material

Single-sided tape.

### Tools

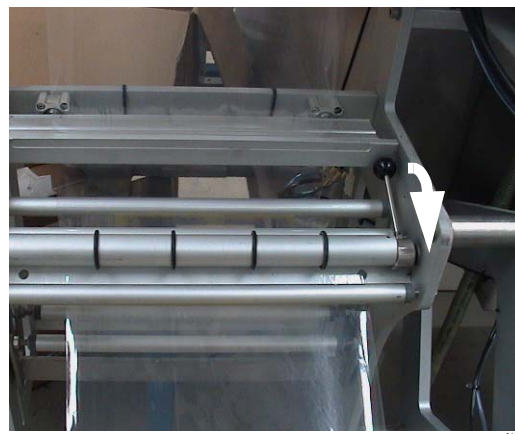
Measuring tape.

### Procedure

- 1 The machine stops automatically when the roll is empty or stop the machine using the stop button.



- 2 Secure the label film length.
- 3 Cut the film off, where applicable just under a mark.

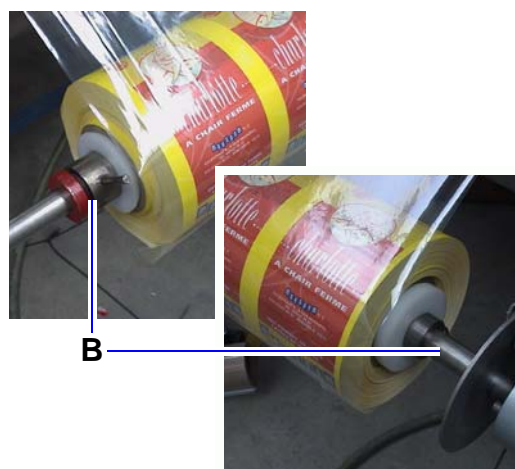


- 4 Loosen the retainer (**A**). Remove the empty roll and load the full (or other) roll.

Fix the retainer.

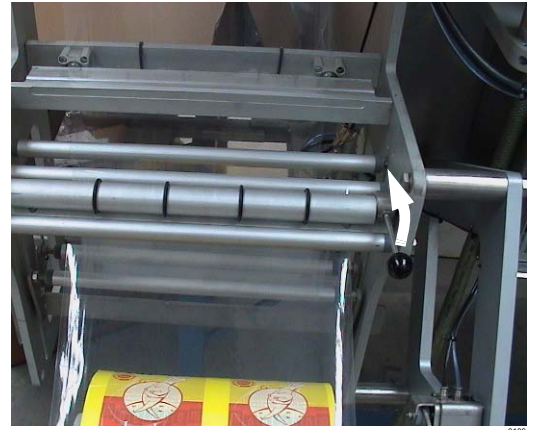


- 5 Check by measuring that the transverse position of the roll is correct. This can be corrected using the roll transverse adjustment (screws **B**).
- 6 Stick the lengths firmly and neatly together, where applicable ensure that the marks correspond.





- 7 Push back the handle.



## 6.6 Basic film tracking (option) adjustment

### Conditions

The automatic basic film tracking is turned on.

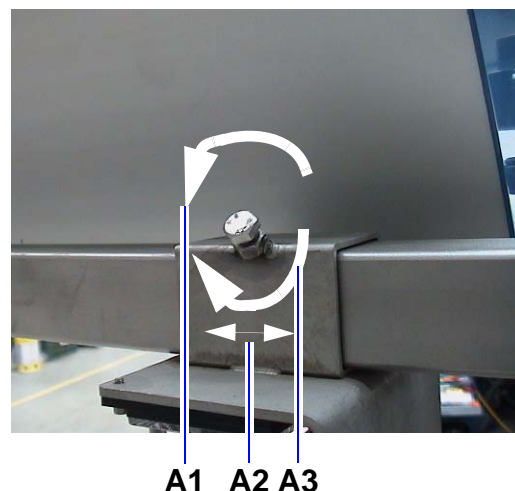
### Procedure

#### 6.6.1 Film adjustment

- 1 Stop the machine when the basic roll is stationary by means of the stop button.
- 2 Mark the basic film at the sensors and then press the start button.
- 3 Check if the marked basic film is running in the centre of the form shoulder. Repeat the procedure if the deviation is greater than 7 mm.



- 4 Mark the set of sensors and make any adjustments **A1**, **A2** and **A3**. Repeat the previous points.



0109

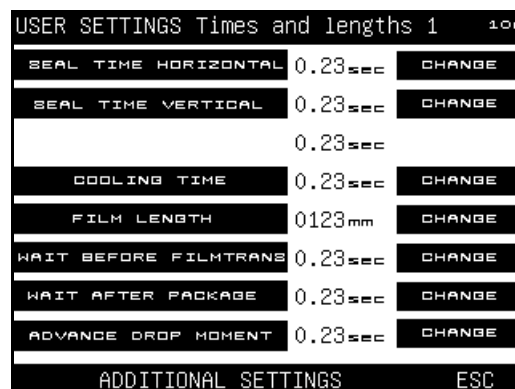
### 6.6.2 Setting tracking time

- 5 During production, check that the tracking:
  - Changes direction frequently: reduce the tracking time.
  - During the production of a number of bags the tracking direction is constant while the basic film hardly deviates at the sensors: increase the tracking time.
- 6 Changing tracking time:
  - Press "USER SETTINGS" on the main menu, then press "ADJUST TIMES AND LENGTHS".



BC0103

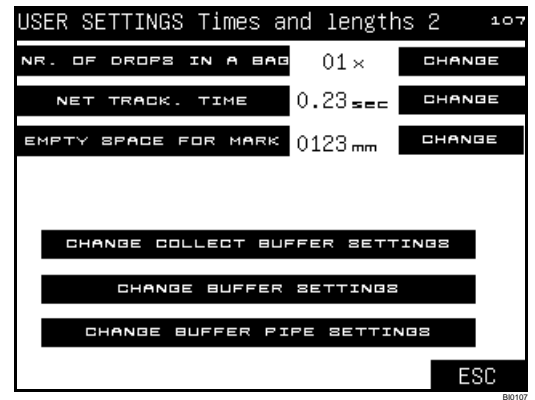
- Press "ADDITIONAL SETTINGS".



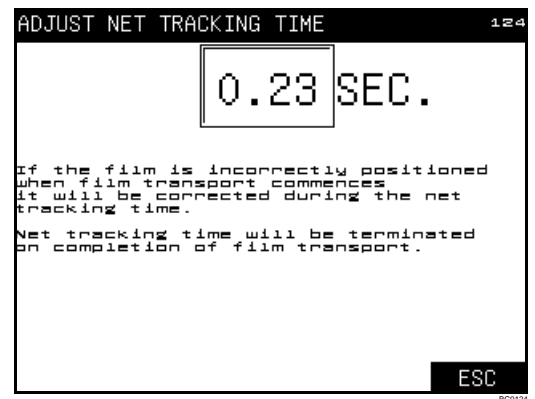
BC0106



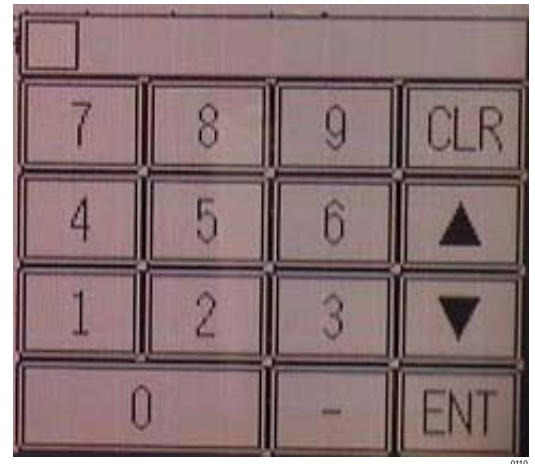
- Press "CHANGE" adjacent to "NET TRACK. TIME".



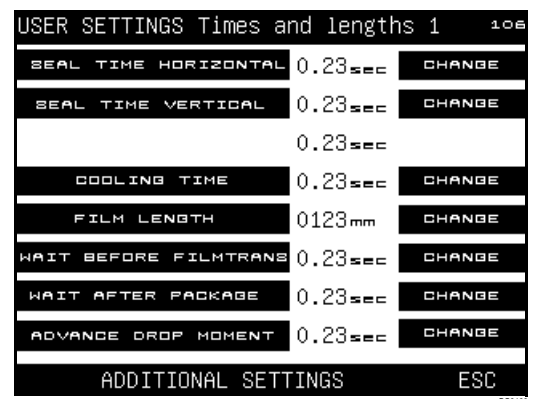
- Press the value to be changed.



- Type the desired value in the numeric screen and press "ENT".
- Close the numeric screen by pressing the small square in the top left-hand corner of the numeric screen.



- 7 Press "ESC" until the main menu is displayed.



## 6.7 Turning the machine off

### Procedure



#### **WARNING!!!**

Even after the machine is switched off, the seal bars are still hot.



#### **WARNING!!!**

One of the seal bars is equipped with a cutting edge.

- 1 Stop the production by pushing the stop button.



0111

- 2 Turn off the power supply.
- 3 Check that the cutting edge and its groove on the horizontal seal bars are clean. Carefully clean soiled seal bars while they are still warm using a wooden spatula.



0112

## 6.8 Cleaning



#### **WARNING!!!**

Turn the machine off using the main switch before carrying out any cleaning.

- Clean the machine using low pressure compressed air or a dry cloth.



#### **WARNING!!!**

Never clean the machine with water or cleaning agents. The only exception being the product contact surface of the product infeed. For this purpose, the infeed should be removed from the machine.

- Remove the infeed from the machine if this needs to be cleaned more thoroughly.
- Clean the product contact surface of the infeed with water and the possible addition of a cleaning agent.
- Dry the infeed.

- Attach the infeed to the machine.
- Use only a wooden spatula to clean the seal bars.

**WARNING!!!**

After the machine has been switched off the seal bars remain hot.

**WARNING!!!**

One of the seal bars is equipped with a cutting edge.



## 7 Faults

### 7.1 Fault alerts

A fault detected by the operating control system will be shown as an alert on the display and the reset LED will be on. The operating control system will terminate the process (production or start).

| Nr. | Fault alert                               | Cause  | User solution   |
|-----|---|--|---|
| 201 | Emergency stop in.                        | <ul style="list-style-type: none"> <li>Machine switched on.</li> <li>Emergency stop in.</li> </ul> | <ul style="list-style-type: none"> <li>Follow the instructions on the screen.</li> <li>If the fault continues contact the maintenance technician.</li> </ul>  |
| 202 | Door open.                                | Door relay is not energised.   | Close doors and follow the instructions on the screen.  |
| 203 | Transverse seal unit jammed.              | The transverse seal unit fails to close within a given time period.                                | Product to be packaged remains in the transverse seal unit: <ul style="list-style-type: none"> <li>Remove any products.</li> <li>The bag length setting on the screen is too small.</li> <li>Drop time setting on the screen is incorrect.</li> </ul>   |
| 204 | Transverse seal unit does not fully open. | The transverse seal unit fails to open within a given time period.                                 | Product to be packaged between the machine and the transverse seal unit: <ul style="list-style-type: none"> <li>Remove any products.</li> <li>If the fault continues contact the maintenance technician.</li> </ul>   |
| 205 | Basic film finished.                      | The film accumulator is in a forward position.   | <ul style="list-style-type: none"> <li>Roll finished, change the roll.</li> <li>Check the fixing of the film roll to the spindle.</li> <li>If fault continues, see paragraph 7.2.4 on page 76.</li> </ul>   |
| 206 | Label film finished.                      | The film accumulator is located at the top or bottom sensor.                                       |   |
| 207 | Label film finished rear roll.            | The film accumulator is located at the top or bottom sensor.                                       |   |
| 208 | Mark on film missed.                      | The mark scanner has failed to detect a mark during film transport.                                | <ul style="list-style-type: none"> <li>Mark scanner eye soiled.</li> <li>Bag length setting on the screen is not precise.</li> <li>Film belts have slipped due to increased resistance during transport, check film transport, is the format and film dry.</li> <li>With counter: empty space for mark not or incorrectly set.</li> <li>Film belts not closed.</li> </ul> |
| 209 | Film transport – protection.              | The motor protection for the film belts or the auxiliary drive is activated.                       | Contact the maintenance technician.   |

|     |  |  |   |
|-----|--|--|---|
| 210 | Film transport – counter fault.                                  | The counter transmits insufficient pulses within a given time during the film transport.       | Film belts not closed.  |
| 212 | Buffer belt infeed – protection.                                 | The motor protection is activated.   | Contact the maintenance technician.   |
| 213 | Export belt – protection.  |  | –   |
| 214 | Automatic basic film tracking – protection.                      |  | –   |
| 215 | Automatic basic film tracking – fault.                           | Detected by an end sensor.   | Basic film roll incorrectly fixed to the spindle.   |
| 216 | Printer fault.   | The printer displays a fault alert.  | Refer to the printer manual.  |
| 217 | Film accumulator for the basic film is not in the rest position. | The film accumulator (basic film) fails to reach the rest position within a given time period. | Roll finished, change the roll.   |
| 218 | No communication with the PT100 module.                          | No response from the PT100 module (serial communication).                                      | Contact the maintenance technician.   |
| 221 | Product infeed blocked.  | The sensor directed at the product infeed remains active.                                      | <ul style="list-style-type: none"> <li>• Unblock the product infeed.</li> <li>• If the fault continues contact the maintenance technician.</li> </ul> |
| 223 | TEST COUNTER screen.   | In the test screen press START.  | START with the main menu screen.  |
| 224 | TEST BUFFER screen.  |  |   |
| 226 | TEST EXITS.  |  | START with the main menu screen.  |
| 227 | MACHINE SETTINGS screen.   | Press START on the Machine Settings screen.  |   |
| 228 | CHANGE BASIC FILM screen.  | Press START on the Change Basic Film Screen.   |   |
| 229 | TEST screen.   | In the test screen press START.  |   |

|     |                        |   |   |
|-----|------------------------|---|---|
| 230 | HORIZONTAL FRONT HIGH. | The difference between the actual and set temperature is too great. | Seal bars are not sufficiently preheated, wait at least 10 min. |
| 231 | HORIZONTAL REAR HIGH.  |   |   |
| 232 | HORIZONTAL FRONT LOW.  |   |   |
| 233 | HORIZONTAL REAR LOW.   |   |   |
| 234 | CONN. SEAL LEFT.       |   |   |
| 235 | VERTICAL.              |   |   |
| 237 | CONN. SEAL RIGHT.      |   |   |
| 236 | CONN. SEAL CENTRE.     |   |   |
| 240 | HORIZONTAL FRONT HIGH. | PT100 displays incorrect values.                                    | Contact the maintenance technician.                             |
| 241 | HORIZONTAL REAR HIGH.  |   |   |
| 242 | HORIZONTAL FRONT LOW.  |   |   |
| 243 | HORIZONTAL REAR LOW.   |   |   |
| 245 | CONN. SEAL LEFT.       |   |   |
| 244 | VERTICAL.              |   |   |
| 247 | CONN. SEAL RIGHT.      |   |   |
| 246 | CONN. SEAL CENTRE.     |   |   |

## 7.2 Faults summary

### 7.2.1 Cutting edge

The cut edge of a packaging bag should be a straight and even cut:

- 1 The cutting edge, the cutting edge groove or the reverse side is soiled. Clean carefully with a wooden spatula.
- 2 The cut edge is curved, renew the cutting edge.
- 3 The cut edge is tidy but incomplete; the cylinder is functioning incorrectly.

### 7.2.2 Film transport

- 4 The bag length in the user settings is set to zero.
- 5 The film belts are tight against the product infeed (pressure set to approx. 2 bar.).
- 6 The film belts are free of the product infeed.  
  
Select CLOSE FILM BELTS on the main menu.
- 7 The film belts are worn or are not against the product infeed.
- 8 The motor is faulty.



### 7.2.3 Bag length variation

- 9 The format is wet due to cleaning or condensation, causing the film to stick to the format.

### 7.2.4 Film finished fault alert (check basic film brake)

10 If the "Film finished" fault alert is displayed regularly:

- Pull the film until it offers resistance. The film accumulator fills, and the brake is energised as soon as it is full.
- Check that the film accumulator is stationary well before the film finished sensor point. If not, increase the tightness of the brake.

## 8 Appendix

### 8.1 Technical details

|                                  |  |
|----------------------------------|--|
| <b>Product identification</b>    |  |
| Name                             | JASA packaging systems   |
| Type number                      | Quick Pack 350 / model 4 or Quick Pack 350 / model 5   |
| Manufacturer                     | Pannekeet Machinetechniek bv   |
| <b>Dimensions</b>                |  |
| Length                           | 3240 mm  |
| Width                            | 1350 mm  |
| Height with bag length of 350 mm | 2105 mm  |
| Weight                           | 950 kg   |
| <b>Electrical details</b>        |  |
| Electrical details               | 3 phase 400 V 50/60 Hz. + N + PE, 16A  |
| Capacity                         | 4.5 kW model 4<br>4.8 kW model 5   |
| <b>Pneumatic details</b>         |  |
| Diameter feed pipe               | Internal Ø12 mm  |
| Air pressure                     | 6 bar  |
| Air consumption                  | Greatly depends on cooling time, up to 400 l/min   |
| <b>Additional details</b>        |  |
| Bag width                        | Up to 350 mm   |
| Capacity                         | Maximum 40 packages per min.<br>This will be less depending on the type of film, type of product, bag length |
| Operating control system         | PLC  |
| Memory                           | 30 programs with user settings   |

## 8.2 Film requirements, net

Products can be packaged in net and film types with a maximum seal temperature of 250 °C.

However, JASA packaging systems cannot guarantee the correct functioning of the packaging machine if film types are used that have not been tested and approved by JASA packaging systems.

## 8.3 Liability and guarantee

The Metaalunie (Employers' Organisation for Small and Medium Sized Companies in the Metal Industry in The Netherlands) Conditions of Delivery and Payment as supplied with the order confirmation apply to this packaging machine.

The Metaalunie conditions also include the guarantee and liability requirements.

### 8.3.1 Liability

JASA packaging systems or your dealer will not be liable:

- If the installation is not carried out by the manufacturer, failing to observe the recommended guidelines or is carried out by unqualified personnel.
- If the packaging machine is not maintained or used in accordance with its intended use, see paragraph 2.2 on page 4.
- If the safety regulations are ignored or the instructions contained in this document are not followed.
- For any situations that arise as a consequence of incorrect translation of the text contained in the original instruction manual supplied.

### 8.3.2 Guarantee conditions

The guarantee does not cover normal wear and tear. The guarantee does not cover labour costs and travelling expenses that arise from carrying out any claim on the guarantee.

The guarantee will be void if:

- Unauthorised personnel have operated or maintained the packaging machine.
- The operation, service and maintenance are not carried out in accordance with the regulations.
- Any spare parts are used for maintenance or repair other than the original spare parts.

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